

Airwell

■ *Just feel well*

2015 Air conditioning



Airwell
Residential

Contact Us

An international sales network



Contact details

[HEADQUARTERS]

3, avenue du Centre
Les Quadrants - Bât. A
78280 Guyancourt - FRANCE

[LITERATURE HUB]

<http://lh.airwell-res.com>

[COMMERCIAL]

E-mail: airwell-residential@airwell-res.com




Tel: +33 (0)1 76 21 82 00

Aftersales: www.airwell-residential.com/aftersales



Table of contents

	PAGE
HISTORY	6
REGULATION AND STANDARDS	8
OUR UNIQUE SOLUTIONS	12
AIRWELL RESIDENTIAL SERVICE	18
ICONS GUIDE	20
HIGH WALL RANGE	22
HOD NEW High wall monosplit	24
HND UPGRADE High wall mono & multisplit	26
HKD UPGRADE High wall mono & multisplit	28
DUCTED RANGE	30
DLF Ducted low static pressure monosplit	32
DLSE Ducted medium static pressure monosplit	36
HRV Heat recovery unit double flow exchanger	42
DCD Ducted medium static pressure mono & multisplit	44
DBF On/off ducted medium static pressure	48
DAF On/off ducted high static pressure	50
DK DN On/off ducted high static pressure	52
CASSETTE RANGE	54
CBD Cassette mono & multisplit	56
CAD Cassette 950x1340 monosplit	60
CBF On/off cassette 900x900	62
FLOOR CEILING RANGE	64
XAD Console dual flow mono & multisplit	66
FBD Floor ceiling monosplit	68
FWDB NEW Floor ceiling monosplit low temperature for wine cellar	70
FCF On/off floor ceiling	72

	PAGE
MULTISPLIT RANGE	74
YCZ Residential line 	76
YBZE Residential line	82
TWIN Twin system	86
MONOBLOC & FLOOR STANDING RANGES	88
MAF On/off portable	90
WFD  Window 	91
SBF On/off floor standing	92
WATER RANGE	94
CAO Water console	98
GCAO Water source	100
LIGHT COMMERCIAL RANGE	102
X AC Vertical air cabinet	104
X WC Vertical water cabinet	106
HAN Rooftop unit	108
VRF RANGE	110
Outdoor units	110
AHU Connection kit	118
Mini FlowLogic 5 HP - 6 HP - 10 HP	122
FlowLogic 10 HP - 12 HP - 14 HP - 16 HP	126
Indoor units	112
HAV High wall	142
CBV Cassette 600x600	143
CCV Cassette 900x900	144
FAV Floor ceiling	145
DAV Ducted low static pressure	146
DBV Ducted medium static pressure	147
DCV Ducted high static pressure	148
EAV Console	149
TOOLS BOX	154

History



- 1947 ■ The beginning of the Airwell's story, a french air conditioning brand.
- 1950 ■ The firm developed and began the mass production of the first window unit, to offer exceptional climate conditions, mainly dedicated to European and African markets.
- 1970 ■ Airwell developed a split system unit by splitting its core window unit in two parts. It was the first to produce wall split systems in Europe. Implantation of historical plant Tillières-sur-Avre in France.
- 1982 ■ The company designed and produced the first European wall split system range including electronic remote control, a high technology cross-flow fan for low noise levels and rotary compressors.
- 1998 ■ The group acquired production facilities in China (Shenzhen).
- 2013 ■ The firm launched its unique and exclusive call center dedicated also to final customer.
- 2014 ■ Airwell set up presentation and training center in France and worldwide.



Regulation and standards



An important part of Airwell Residential's strategy is to anticipate and go further beyond the new European regulations, safety standard and guidelines that will be applied soon.

The requirements are covering all the cycles of the product process from manufacturing to distribution and marketing.

Most of the Energy requirements today are related to the European Commission Plan named "20-20-20" to improve the environmental aspects of Energy related product, which dictate the following:

- Reduce by 20% the emissions of greenhouse gases.
- Increase by 20% the energy efficiency in the EU.
- Reach 20% of renewables in total energy consumption in the EU.

Due to its international presence, Airwell Residential must comply with the most drastic regulations and standards related to the product's manufacturing, safety, energy and design.

Airwell products are designed as environmental friendly and safe.



The most important regulations today are:



Since January 2015, the regulation FGAS is implemented.

Refrigerant fluid are man-made gases that can remain in the atmosphere for centuries and contribute to a global greenhouse effect. There are three types: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulfur hexafluoride (SF6).

The F-Gas regulation's goal initiated by the European commission is to reduce greenhouse gas emissions in the EU by 80-95 % compared to levels in 1990.



Airwell Residential contributes to the Eurovent certification program.

Eurovent Certification certifies the performance ratings of its range (Splits and Multi Splits with at least two indoor units) according to European and international standards. The common competitive playing field for all manufacturers allows to increase the integrity and accuracy of the industrial performance ratings.

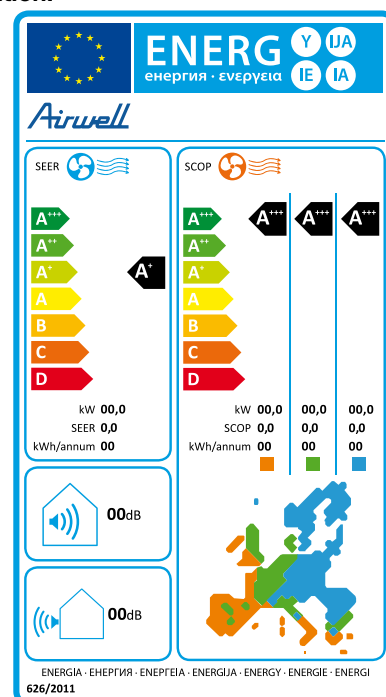
You can check all Airwell products which are certified Eurovent on the website :
www.eurovent-certification.com

Energy Label design

HOW THE ENERGY LABEL IS IMPLEMENTED?

Nominal capacity (Pdesign H/C) and SEER/SCOP test condition:

- Each model is rated at nominal capacity in cooling and heating:
 - **For cooling:** PdesignC.
 - **For heating:** PdesignH.
- Each product must meet the climate requirement levels to which it belongs:
 - **Average:** minimum condition to fulfill.
 - **Warmer:** if the product is designed for warmer conditions.
 - **Colder:** if the product is designed for colder conditions.
- Pdesign affects directly the SEER/SCOP level as there are few tests done in cooling and heating according to the climate category and adjusting the capacity for each test condition.
- The below table shows the test conditions in cooling and heating, the ratio of the Pdesign in cooling and heating in a different climate category.



Operating conditions for standard rating

	Old standard				New standard (ECO design)								
	Indoor unit		Outdoor unit		Indoor unit		Outdoor unit						
	Air inlet °C		Air inlet °C		Air inlet °C		Test type	Air inlet °C					
	Dry bulb	Wet bulb	Dry bulb	Wet bulb	Dry bulb temperature	Wet bulb temperature		Inlet temperature		Part load of Pdesign ratio			
Cooling mode	27	19	35	24	27	19	A	35		100%			
							B	30		74%			
							C	25		47%			
							D	20		21%			
Heating mode	20	15 max	7	6	Indoor unit		Test type	Class category					
					Air inlet °C			Average		Warmer		Colder	
					Air inlet °C		T _{design}	-10	100%	2	100%	-22	100%
					20	15 max	A	-7	88%	-7	N/A	-7	61%
							B	2	54%	2	100%	2	37%
							C	7	35%	7	64%	7	24%
							D	12	15%	12	29%	12	11%
					T _{bivalent}		The design condition of the A/C can provide the optimized capacity w/o any additional energy like heater						
					T _{ol} (Min operating temp)		-15	119%	-15	N/A	-15	82%	

Certifications

Airwell Residential is recognized for its reliability. A residential and light commercial range of products with an excellent quality which offers its clients a very big advantage on the air conditioning market. Present all over the world, Airwell Residential applies quality standards to its different production sites and strives to improve them continuously.

The performances of our Airwell Residential products meet the EN14825 standard (seasonal energy standard).

Airwell Residential production sites are certified ISO 9001 and ISO 14001 as well as by most of the recognized certifications. Furthermore, Airwell Residential contributes and complies with the Eurovent certification program.



CE marking

« CE marking » was introduced pursuant to European technical harmonization legislation.

It is mandatory for all products covered by one or more European directives which expressly provide for it and it guarantees free movement throughout the EU for these products.

We conduct controls and tests ensuring that our products comply with essential requirements, particularly those concerning health and safety, as set forth in the relevant directives.



Our unique solutions

=

5

unique technologies

+

4

unique applications

Unique technologies

WiFi

Air conditioners controlled by mobile phone, tablet or computer with wireless router and internet.

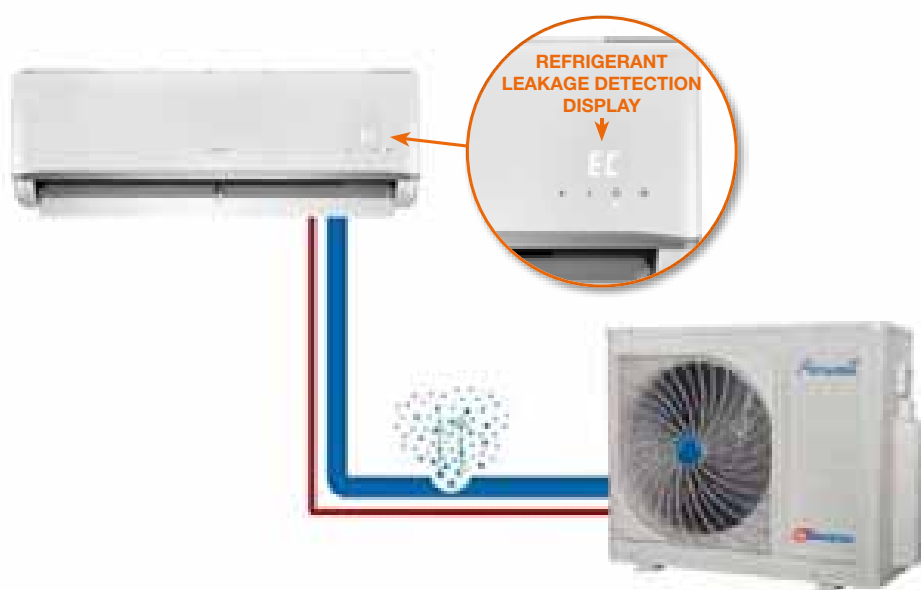
- Easy installation.
- Control your A/C by mobile phone/tablet locally or from distance.
- Can control: on-off, operation mode, fan speed, temperature set-up and timer.
- Esthetic hidden display.
- Android and IOS compatibility.
- HKD/HND lines: optional.

CONTROL ALL HOME'S AIR CONDITIONNERS



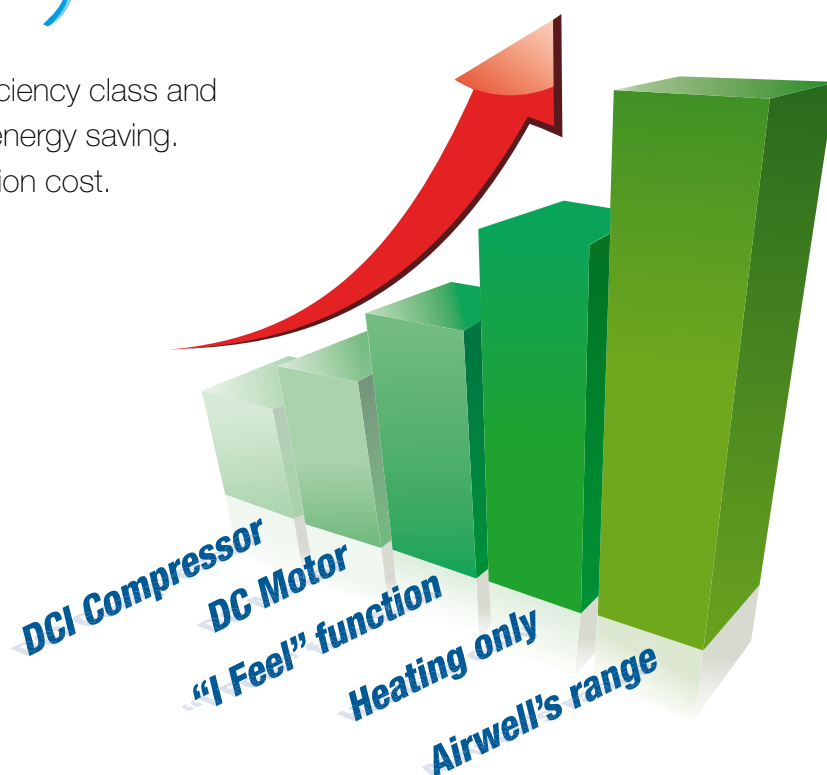
Refrigerant leakage detection

- The electronic controller checks continuously the system parameters and identifies the presence of a refrigerant leakage. In a case of leakage, the system stops, protects the compressor from damage and avoids major service costs.



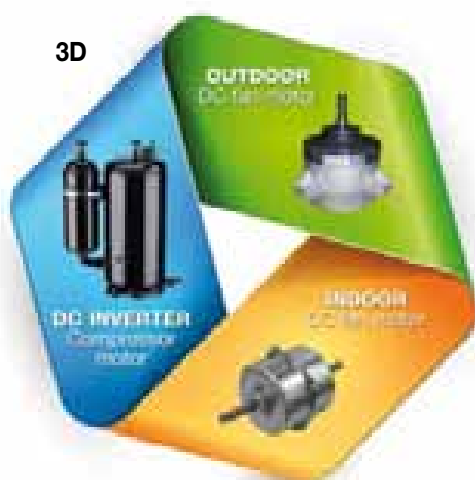
A+++ Class

- Highest efficiency class and significant energy saving.
- Low operation cost.

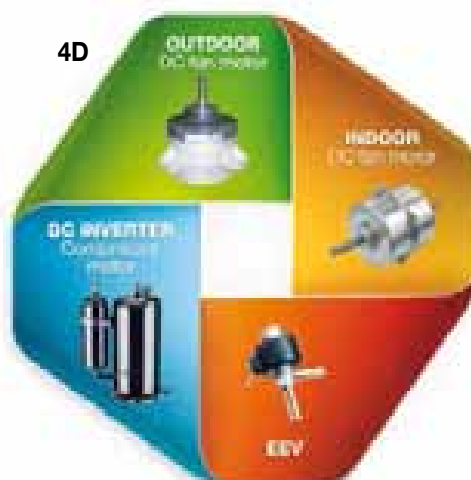


DC Inverter technology 3D-4D

- System design based on DC motors.
- DC motor contributes directly to the system efficiency.
- 4D design based on DC indoor motor, DC outdoor fan motor, DC inverter compressor and Electronic expansion valve.
- In 4D the system can work with optimized parameters in order to achieve maximum performance and comfort.



Compatible model:
HKD (except size 9)



Compatible models:
HOD / HND (except size 24) / XAD / CBD / FBD / DCD

Super quiet

- Special design for low noise level.
- Optimize solution suitable for bedrooms.



Unique applications

HOD

HIGHLIGHTS

[MORE DETAILS
P. 24]

- Design for extreme cold climate
- Based on 4D technology
- A+++ class in size 9
- Wide operating temperature between -30°C in heating up to 54°C in cooling

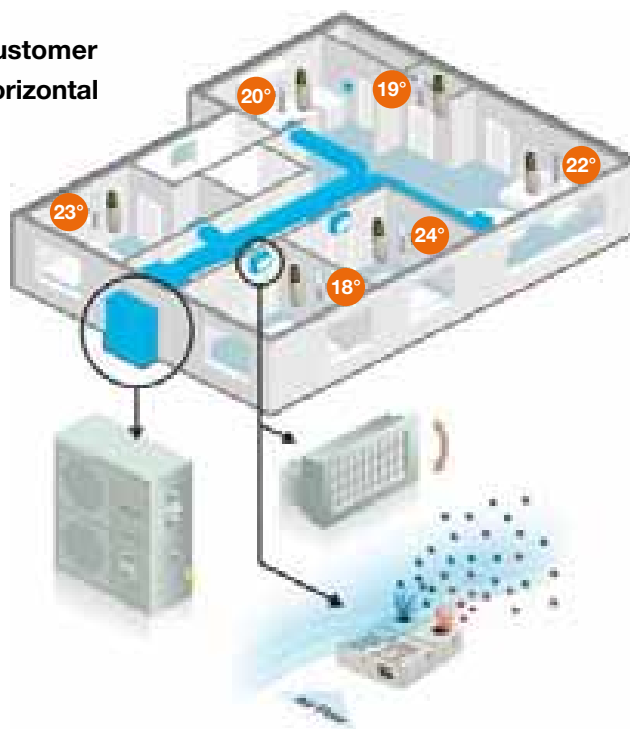


DLSE Plus VAV

HIGHLIGHTS

[MORE DETAILS
P. 36]

- Advanced fuzzy logic by controlling the inverter and room temperature per zone
- Cost & energy saving
- The best added value for customer
- DC motor combined with horizontal fan creating high efficiency



DLF

HIGHLIGHTS

- Vertical and horizontal installation
- Compact: 200 mm height, space saving
- Super quiet



[MORE DETAILS
P. 32]



CAO and GCAO

HIGHLIGHTS

- Ideal solution for building with aesthetic and local restrictions
- Easy & simple installation



[MORE DETAILS
P. 94]

Airwell Residential Service

Our Airwell Residential company has issued this Service Charter to demonstrate our commitment to providing our customers-focused service. This service charter is relevant to any customer of Airwell Residential. The Service Charter sets out all Airwell Residential staff in all levels.

[SERVICE DIVISION]

[CALL CENTER]

- Immediate answer by expert's representative
- High availability
- Multi language
- Professional and trained representatives
- Service oriented and focus
- Service until fully satisfaction

[SPARE PART CENTER]

- High level of components availability
- Advanced delivery system
- Manage spare parts in advance for any new product

[LOCAL AND REMOTE TECHNICAL SUPPORT (WORLD WIDE)]

- High level and experienced technician
- Direct contact over the phone and in site as need for VIP customers

[TRAINING CENTER]

- Training material
- Periodical seminar
- New products launching
- Training centers in France and worldwide



Airwell Residential, in partnership with its customers, opens Airwell Academy centers. Thereby, the company has set up centers of presentation and training in France and world-wide.

Trainings are proposed in order to offer you the opportunity to discover the product range and its unique solutions.

New centers open throughout the year.



[SERVICE STANDARDS]

Airwell Residential aims to provide a professional, courteous, efficient and helpful service to all customers all the time.

Specifically, we will make every effort to ensure the following standards are met:

- Our goal is to respond to all letters, e-mails and faxes within 2 working days upon receipt and give a likely timescale within this period for any requests for information.
- We will ensure that all telephone calls are handled courteously.
- That any messages are passed onto the relevant staff member.
- Answered as soon as possible.

We will deal with any query you have as quickly as we can.

[AFTER SALES SERVICE]

Unique and exclusive:
After Sales Organization
dedicated also to **final customer**.

minimal waiting and
order processing time

advanced, tailored diagnosis based
on required level of technicality



PRIVATE PERSONS

- Request for documentation
- Error message information
- Assistance in configuring indoor unit and remote control
- Contact with ATS (Approved Technical Station) Airwell Residential



PROFESSIONALS

- Technical assistance
- Troubleshooting
- Quick setup guide



Our Aftersales Service

Export

Tél. ■ +33 (0)1 76 21 82 95

Fax ■ +33 (0)1 76 21 82 96

SPARE PARTS ORDERS:
e-mail ■ sp@airwell-res.com

TECHNICAL SUPPORT:
e-mail ■ technical-sp@airwell-res.com

STANDARD

OPTION

TECHNOLOGY



FLEXY MATCH

- Outdoor unit can match several type of indoor units.
- Indoor unit can match single split or multisplit outdoor units.



A/A CLASS EFFICIENCY

High efficiency and energy saving product.



DC INVERTER

Compressor with high efficiency DC motor.



1 W STANDBY POWER

Minimize the waste of energy once unit is in a standby mode.



LOW VOLTAGE STARTUP

Design to start up the system even once power supply is not stabilized.



LOW TEMPERATURE STARTUP

Start up the system even once outside temperature is very low as -15°C.



R410A FLUID

Refrigerant fluid R410A.



R32 FLUID

Refrigerant fluid R32.



VAV COMPATIBILITY

Automatic air volume and system control per zone related to the gap between actual room temperature and set up temperature.



ELECTRONIC EXPANSION VALVE

Precise refrigerant flow control, optimize the performance and protect the compressor.



REFRIGERANT LEAKAGE DETECT

Indicate in indoor side once leakage is detected and stop the system to protect the compressor.

AIR QUALITY/CLEAN



STERIONIZER

Generating sterionizer ions that leads to electrochemical reaction that deactivates bacteria, viruses and allergenic particles. Creating and brings a natural air quality to the living environment.



ACTIVE CARBON FILTER

Effectively cleans the air from air-born particles down to 0.01μ avoid cigarettes smoke, house cooking smoke, pollen, mold, spores and bacteria.



NANO PHOTOCATALYTIC FILTER

Oxidize and degrade organic contaminants. It can effectively eliminate 99.9% of bacteria and collect dust effectively.



ELECTROSTATIC FILTER - ANTIBACTERIA

Anti Bacteria Remove in high efficient small particles from the air and purify the air from bacteria.



AUTO CLEAN/DRY

Avoid bacteria and mildew growing by keeping the heat exchanger dry after cooling operation.



FRESH AIR

Refresh the room by supplying fresh air from outside.



FILTER CLEAN INDICATION

Sign to check and clean the air filter.

COMFORT FUNCTIONS



I FEEL

Precise temperature control around dedicated area by using remote control temperature sensor.



WIDE ANGLE LOUVER

Better cooling and heating affect by extending the air distribution in the room in a wide angle.



MOTORIZED 4D AIRFLOW

Excellent cooling and heating affect by swing the air up and down, left and right automatically.



MULTIFLOW 360°

Most comfort air distribution system by supply air in four direction in 360° and motorized louver control.



SLEEP MODE

Adjusting the room temperature along the night follow human sleep behaviour.



SUPER QUIET

Advanced design for low sound level.



HOT KEEP

Control the fan operation to avoid drafting of cold air during start operating in heating.

FUNCTION



DIGITAL DISPLAY

Digital display on the indoor unit, indicating the temperature set up or failure code.



TURBO MODE

Boosting the output capacity and create a rapid reaction to reach the room temperature set up.



PROGRAMMABLE TIMER

Option to set up a program to control the unit stop and operation based on a real time.



SELF DIAGNOSTIC

Indicate the unit failure by control the light blinking on the unit display.



LOW BATTERY INDICATION

Indication to replace the remote control battery.



AUTO RESTART (MEMORY)

Automatic restart the unit in the last operation mode once resume power supply.



REMOTE CONTROL LOCK

Lock the remote control function to avoid non required operation.



ADVANCED DEFROST

Minimize the operation without supplying energy during defrost in heating.



8°C CONSTANT TEMPERATURE HEATING

Keep 8°C room temperature to protect automatically the house sanitary system from freezing and damage in very cold weather.



AUXILIARY HEATER

Boosting the heating capacity once system working in extremely low ambient temperature.



MULTI FAN SPEED

Wide range of motor speed to optimize the sound level or the capacity output.



INTEGRATED WATER PUMP

Remove the condensate water up for easy and flexible installation.



LEFT/RIGHT DRAIN CONNEXION

Easy installation by option to connect the drain tube in left or right side.



FREQUENCY CONTROL INCLUDING AIRFLOW

Adjust the motor speed according to the external static pressure to reach the air volume.



TWIN APPLICATION

One outdoor unit is connected with two same rating indoor units.



OUTDOOR BASE HEATER

Avoid the ice rising.



CRANKCASE HEATER

Prevent oil compressor from freezing.

CONTROL OPTION CONNECTIVITY



ALARM OUTPUT

Option to transmit to remote location a severe failure or alarm indication.



UNIT ON INPUT

Option to transmit indication to remote location if unit is in ON or in OFF operation.



DRY CONTACT ON/OFF

Option to connect to external presence detector to control the unit operation and save energy once room is not equipped.



BMS COMPATIBLE

Option to connect to BMS system via PCB adapter.



SERVICE MONITOR TOOL

PC interface to monitor and adjust the system parameters.

OUTDOOR UNIT OPTION



POWER CONSUMPTION CONTROL

Option to control the power consumption by limiting the maximum unit capacity output.



WIRED REMOTE CONTROL DIAGNOSTIC

Run diagnostic mode by using indoor unit remote control.



OUTDOOR UNIT DIGITAL DIAGNOSTIC

Displaying a digital failure code for easy servicing.



OUTDOOR UNIT NIGHT MODE DRY CONTACT

Limiting the outdoor fan motor speed and reducing the outdoor unit noise level.



OUTDOOR UNIT STAND-BY

Switch dry contact Option to control the unit ON and OFF from remote device.



OUTDOOR UNIT ALARM OUTPUT

Option to transmit alarm of severe failure output to remote device.



FULL LENGTH REFRIGERANT PRECHARGE

No additional charge is needed, easy installation and cost saving.



TECHNICIAN TEST MODE

Special mode for technician to improve the service duration and professional level.



LOW AMBIENT COOLING

Operation in cooling even in low outside temperature due to advanced control logic.



LOW AMBIENT HEATING

Operating in heating in extremely low outside temperature by using a special unit design.

High wall Range

[MODEL NAME]

Page

HIGH WALL
MONOSPLIT & MULTISPLIT

NEW

HOD



24

HIGH WALL
MONOSPLIT & MULTISPLIT

UPGRADE



HND



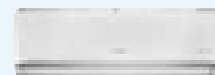
26

HIGH WALL
MONOSPLIT & MULTISPLIT

UPGRADE



HKD



28

9
2.5 kW

12
3.5 kW

18
5 kW

24
7 kW





NEW

A+++

HOD

HIGH WALL MONO & MULTISPLIT

- Premium high wall line available in capacities from 2.5 up to 6.85 kW.
- Cooling & heating operation mode.
- Special design for extreme cold and hot climates.
- "I Feel" function with precise room temperature control.



RC08A

RCW10
(optional)

PRODUCT ADVANTAGES

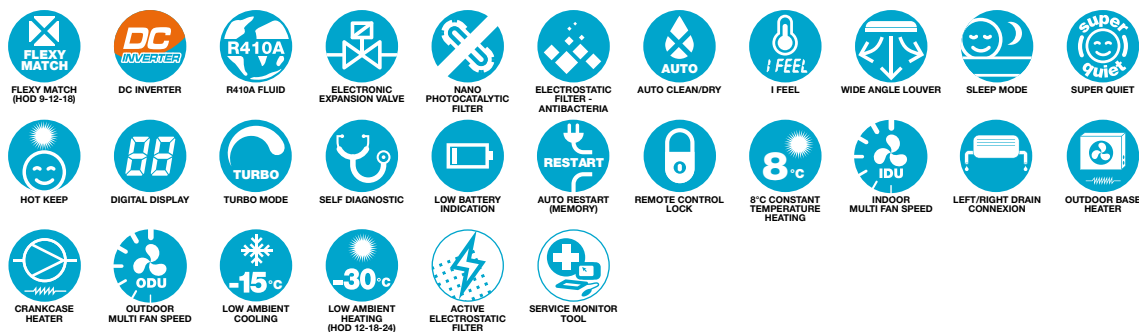
- Operating up to **-30°C** in heating mode (only sizes 12/18/24).
- Operating from **-15°C** to **+54°C** in cooling mode (only sizes 12/18/24).
- 4D technology.
- Same indoor unit for multi and single applications.
- 8 °C freeze protection in winter.
- High efficiency.



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW10	7ACEL1718		Wired single control	Setting of ON/OFF, operating mode, temperature, fan speed, timer, swing, sleep, turbo, key lock, error display on LCD screen.

FEATURES



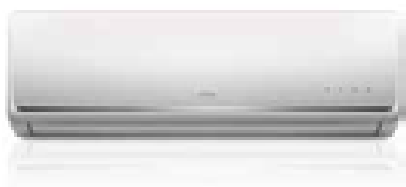
HOD TECHNICAL DATA

Indoor units		AWSI-HOD009-N11	AWSI-HOD012-N11	AWSI-HOD018-N11	AWSI-HOD024-N11
Outdoor units		AWAU-YOD009-H11	AWAU-YOD012-H11	AWAU-YOD018-H11	AWAU-YOD024-H11
COOLING					
Rated capacity	kW	2.5 (0.6-3.2)	3.4 (1.15-4.0)	5.1 (1.0-6.3)	6.85 (2.0-8.6)
Pdesignnc	kW	2.5	3.4	5.1	6.85
Rated power input	kW	0.577	0.865	1.453	1.89
SEER/Energy label		8.5/A+++	7.8/A++	6.5/A++	6.2/A++
Operating limits	°C	-15°/48° Dry bulb		-15°/54° Dry bulb	
HEATING					
Rated capacity	kW	2.9 (0.6-4.0)	3.55 (2.0-5.3)	5.3 (1.0-6.8)	6.85 (1.9-9.0)
Pdesignh (average climate)	kW	2.8	3.5	5.3	6.85
Pdesignh (warmer climate)	kW	2.8	3.7	5.3	6.85
Pdesignh (colder climate)	KW	4	5.1	5.3	6.85
Rated power input	kW	0.629	0.874	1.424	1.841
SCOP/Energy Label (average climate)		5.1 / A+++	4.6/A++	4.0/A+	4.0/A+
SCOP/Energy Label (warmer climate)		6.1/A+++	5.6/A+++	4.6/A++	4.6/A++
SCOP/Energy Label (colder climate)		4/A+	3.2/B	3.3/B	3.3/B
Operating limits	°C	-20°/24° Dry bulb		-30°/24° Dry bulb	
Capacity @ -10°C	kW	2.65	3.2	4.35	5.6
Capacity @ -15°C	kW	2.4	2.9	3.55	5.2
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS/SS)	dB (A)	26/30/34/43	26/30/34/45	34/38/42/46	37/42/46/51
Sound power level	dB (A)	55	58	60	65
Airflow (LS/MS/HS/SS)	m³/h	350/450/550/650	380/460/610/740	480/630/790/950	780/920/1060/1200
Dehumidification	l/h	0.8	1.40	1.80	2.50
Outline dimensions (WxHxD)	mm	866×292×209	866×292×209	1018×319×230	1178×326×264
Package dimensions (WxHxD)	mm	943×375×301	943×375×301	1097×397×340	1256×414×364
Net weight/Gross weight	kg	11/13	11/13	14/17	17/21
Part number		7SP022926	7SP022927	7SP022928	7SP022929
OUTDOOR UNIT					
Sound pressure level to 1 m	dB (A)	54	55	56	58
Sound power level	dB (A)	63	62	65	68
Airflow	m³/h	2400	2000	3200	4000
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	899×596×378	899×596×378	955×700×396	980×790×427
Package dimensions (WxHxD)	mm	948×420×645	948×420×645	1029×458×750	1083×488×855
Net weight/Gross weight	kg	41/44	43.5/46.5	51/55.5	65/70
Part number		7SP061901	7SP061902	7SP061903	7SP061904
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Outdoor	Outdoor	Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am	A	10A	10A	16A	25A
Electrical connections	mm²	4x1.0	4x1.0	4x1.0	4x1.0
PIPE LINE					
Suction pipe diameter	inches	3/8"	1/2"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max length	m	15	20	25	25
Max height	m	10	10	10	10

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
High wall	ODU single	ODU multi
HOD 9 to 18	YOD	YBZE
HOD 24	YOD	



HND

HIGH WALL MONO & MULTISPLIT

UPGRADE
A⁺⁺

- High wall line available in capacities 2.7 up to 7 kW.
- -15°C operation in cooling and heating mode.
- A⁺⁺/A⁺ class efficiency – minimum energy consumption.
- Turbo mode.
- “I Feel” function with precise room temperature control.

PRODUCT ADVANTAGES

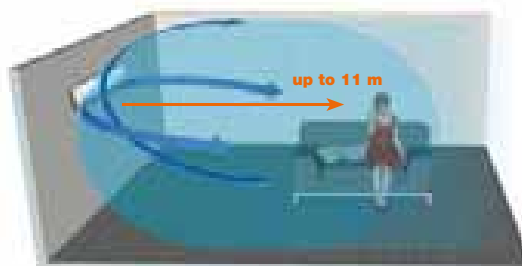
- Same indoor unit for multi and single applications.
- Full air quality solution includes multi-layer filters electrostatic filter, photocatalytic and anti-bacterial filters as standard.
- Multifan speed in indoor unit.
- Refrigerant leakage detection alarm system.



RC08B

RCW8
(optional)

4 DIMENSIONAL AIRFLOWS FOR MAXIMUM COMFORT



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, fan speed, timer ON/OFF, temperature, swing and “I Feel”.
Test tool for high wall	7ACEL1710		Service test tool	Capability to view system parameters, history, failure records and parameter adjustments.
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.
Wifi module	7ACEL1719			Control air conditioners by mobile phone, tablet or computer with wireless router and internet.

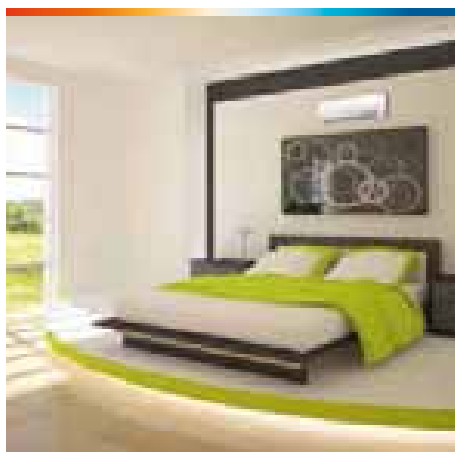
FEATURES



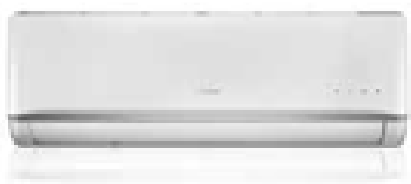
HND TECHNICAL DATA

Indoor units		AWSI-HND009-N11	AWSI-HND012-N11	AWSI-HND018-N11	AWSI-HND024-N11
Outdoor units		AWAU-YND009-H11	AWAU-YND012-H11	AWAU-YND018-H11	AWAU-YND024-H11
COOLING					
Rated capacity	kW	2.7 (1.0-3.3)	3.5 (1.2-3.8)	5 (1.4-6.2)	7.0 (2.8-7.6)
Pdesignnc	kW	2.7	3.5	5.0	7.0
Rated power input	kW	0.69	1.08	1.56	2.32
SEER/Energy label		6.8/A++	6.8/A++	6.8/A++	5.8/A+
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated capacity	kW	2.8 (1.0-3.5)	3.7 (1.2-4.0)	5.6 (1.4-6.5)	7.2 (2.8-7.8)
Pdesignnh (average climate)	kW	2.8	3.6	5.1	6.4
Pdesignnh (warmer climate)	kW	2.8	3.6	5.4	7.0
Rated power input	kW	0.7	0.88	1.55	2.11
SCOP/Energy label (average climate)		3.9/A	3.9/A	3.9/A	3.8/A
SCOP/Energy label (warmer climate)		4.8/A++	5.0/A++	4.8/A++	4.6/A++
Operating limits	°C	-15°/30° Dry bulb			
Capacity @ -10°C	kW	2.7	3.0	4.2	5.8
Capacity @ -15°C	kW	2.5	2.6	3.9	5.5
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	22/28/34/38	23/28/35/39	29/33/39/45	42/45/48/51
Sound power level	dB(A)	53	57	58	64
Airflow (VL/LS/MS/HS)	m³/h	300/350/460/500	330/380/490/580	560/650/780/1000	980/1050/1280/1450
Dehumidification	l/h	1.0	1.3	1.7	2.6
Outline dimensions (WxHxD)	mm	750x280x198	835x280x198	990x315x218	1186x340x258
Package dimensions (WxHxD)	mm	830x355x270	910x355x270	1065x400x300	1265x420x340
Net weight/Gross weight	kg	8/10.1	9/14	12.5/15.4	16.8/21.7
Part number		7SP022994	7SP022995	7SP022996	7SP022997
Part number for WiFi application		7SP022994W	7SP022995W	7SP022996W	7SP022997W
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	51	52	53	59
Sound power level	dB(A)	60	62	63	69
Airflow	m³/h	1800	1800	2200	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	760x590x285	760x590x285	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	887x645x355	887x645x355	887x645x355	965x755x395
Net weight/Gross weight	kg	32.8/35.2	32.9/35.2	36.4/38.8	51.2/54.5
Part number		7SP062817	7SP062818	7SP062819	7SP062820
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating	A	10	10	16	25
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	20	25
Max height	m	8	8	8	10

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
High wall	ODU single	ODU multi
HND 9 to 18	YND	YCZ
HND 24	YND	



HKD

HIGH WALL MONO & MULTISPLIT

UPGRADE
A++

- High wall line available in capacities 2.7 up to 6.25 kW.
- -15°C operation in cooling and heating mode.
- A++/A+ class efficiency in cooling – minimum energy consumption.
- Photocatalytic and antibacterial filters as standard.
- “I Feel” function with precise room temperature control.

PRODUCT ADVANTAGES

- Same indoor unit for multi and single applications.
- Left/right drain connexion.
- Multifan speed in indoor unit.
- Self clean/dry.

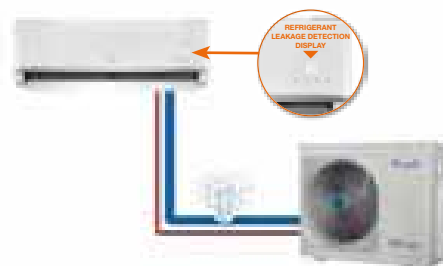


RC08B

RCW8
(optional)

WIFI OPTION

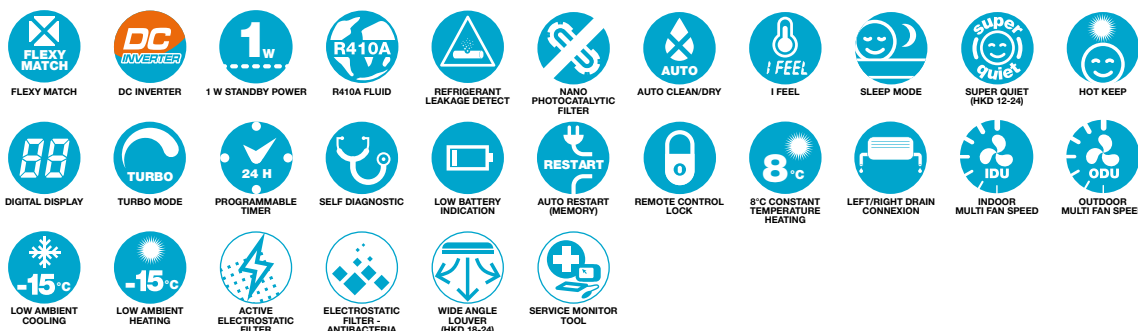
REFRIGERANT LEAKAGE DETECTION ALARM SYSTEM



ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, fan speed, timer ON/OFF, temperature, swing and “I Feel”.
Test tool for high wall	7ACEL1710		Service test tool	Capability to view system parameters, history, failure records and parameter adjustments.
ON-OFF dry contact adaptor	7ACEL1190			Option to control from remote with the last operation memory.
Wifi module	7ACEL1719			Control air conditioners by mobile phone, tablet or computer with wireless router and internet.

FEATURES



HKD TECHNICAL DATA

Indoor units		AWSI-HKD009-N11	AWSI-HKD012-N11	AWSI-HKD018-N11	AWSI-HKD024-N11
Outdoor units		AWAU-YKD009-H11	AWAU-YKD012-H11	AWAU-YKD018-H11	AWAU-YKD024-H11
COOLING					
Rated capacity	kW	2.7 (1.0-3.2)	3.2 (1.2-3.8)	5.0 (1.4-6.2)	6.25 (2.5-7.2)
Pdesignnc	kW	2.7	3.2	5.0	6.25
Rated power input	kW	0.79	1.00	1.66	2.08
SEER/Energy label		5.8/A+	5.8/A+	6.5/A++	6.2/A++
Operating limits	°C	-15°/50° Dry bulb			
HEATING					
Rated capacity	kW	2.8 (1.0-3.4)	3.5 (1.2-4.0)	5.1 (1.4-6.4)	7.0 (2.5-7.5)
Pdesignh (average climate)	kW	2.4	3.05	4.8	6.3
Pdesignh (warmer climate)	kW	2.7	3.8	5.1	7.0
Rated power input	kW	0.72	0.97	1.41	2.18
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A
SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++	4.8/A++	4.6/A++
Operating limits	°C	-15°/30° Dry bulb			
Capacity @ -10°C	kW	2.3	2.8	3.6	4.8
Capacity @ -15°C	kW	2.1	2.5	3.1	4.2
INDOOR UNIT					
Sound pressure level to 1 m (VL/LS/MS/HS)	dB(A)	24/26/32/37	24/26/32/38	30/33/37/43	34/37/41/47
Sound power level	dB(A)	58	58	58	64
Airflow (VL/LS/MS/HS)	m³/h	390/410/440/540	400/430/470/550	460/500/580/730	650/750/900/1000
Dehumidification	l/h	1.0	1.1	1.7	2.4
Outline dimensions (WxHxD)	mm	800x275x188	800x275x188	940x275x205	1045x315x235
Package dimensions (WxHxD)	mm	865x350x265	865x350x265	1015x350x265	1135x315x395
Net weight/Gross weight	kg	6.5/9.5	7.5/9.5	9.5/12.5	12.2/15.3
Part number		7SP022990	7SP022991	7SP022992	7SP022993
Part number for WiFi application		7SP022990W	7SP022991W	7SP022992W	7SP022993W
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	52	53	55	58
Sound power level	dB(A)	64	64	65	69
Airflow	m³/h	1800	1800	2200	2700
Compressor type		Rotary DC Inverter	Rotary DC Inverter	Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	780x540x250	780x540x250	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	910x585x335	910x585x335	887x645x355	965x755x395
Net weight/Gross weight	kg	27.5/30	27.5/29.5	35/37.5	46.7/50
Part number		7SP062813	7SP062814	7SP062815	7SP062816
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor	Indoor	Indoor	Outdoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating	A	10	10	16	25
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	5x2.5
PIPE LINE					
Suction pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	3/8"
Max length	m	20	20	20	25
Max height	m	8	8	8	10

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
High wall	ODU single	ODU multi
HKD 9 to 18	YKD	YCZ
HKD 24	YKD	

[MODEL NAME]

Page

INVERTER DUCTED
LOW STATIC PRESSURE
MONOSPLIT

DLF



32

INVERTER DUCTED
MEDIUM STATIC PRESSURE
MONOSPLIT

DLSE



36

HEAT RECOVERY UNIT
DOUBLE FLOW EXCHANGER

HRV



42

INVERTER DUCTED MEDIUM STATIC
PRESSURE MONOSPLIT
MULTISPLIT → ONLY SIZE 12



TWIN
APPLICATION

DCD



44

ON/OFF DUCTED
MEDIUM STATIC PRESSURE

DBF



48

ON/OFF DUCTED
HIGH STATIC PRESSURE 68 TO 136

DAF



50

ON/OFF DUCTED
HIGH STATIC PRESSURE

DK DN



52

12 3.5 kW	18 5 kW	24 7 kW	30 8 kW	36 10 kW	45 12.5 kW	60 16 kW	68-136 20-39.5 kW	40-85 kW
--------------	------------	------------	------------	-------------	---------------	-------------	----------------------	----------



800 m³/h

1 000 m³/h



Unique
solutions



DLF

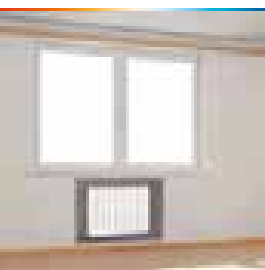


Unique and advanced design for vertical or horizontal installation

VERTICAL INSTALLATION

- Vertical installation with compact dimensions, only 200 mm dept.
- The best solution for replacing radiator.
- The best solution in places with no space for ceiling installation.
- Create a clean and modern design after installation.

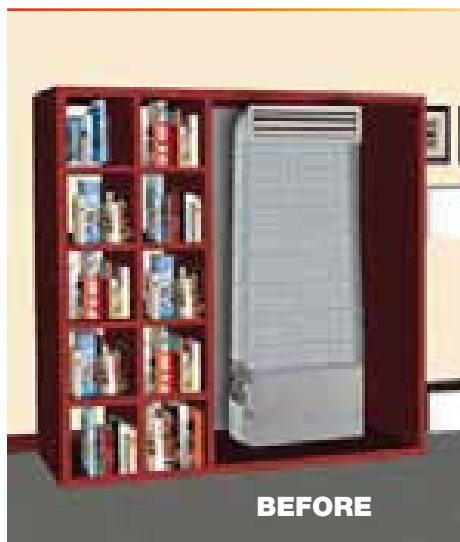
【 BEFORE 】



【 AFTER 】



【 COMBINATION MODERN CONSTRUCTION 】



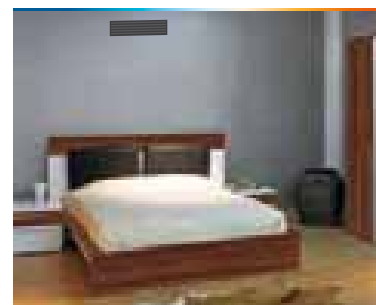
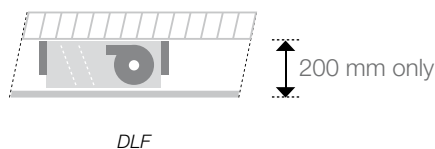
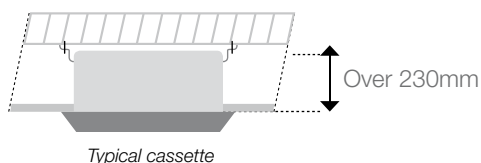
BEFORE



AFTER

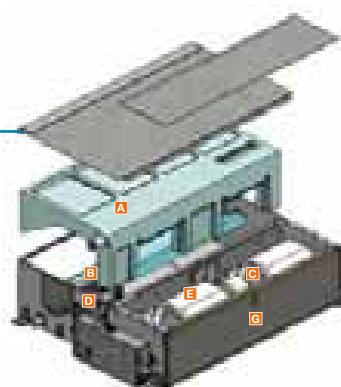
HORIZONTAL INSTALLATION

- Space saving by minimizing the requirement of the ceiling height.
- Ideal solution for hotel and bedroom due to super quiet and extremely compact design.



COMPREHENSIVE STRUCTURE DESIGN

- | | |
|-----------------------------------|---------------------|
| A Drain pan | E Fan |
| B Coil | F Controller |
| C DC motor | G Air filter |
| D Water pump + water level | |



DLF

Unique solutions

DUCTED LOW STATIC PRESSURE MONOSPLIT

Extra slim:
only 200 mm

A++

- Ducted line available in capacities from 3.5 up to 7 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.

PRODUCT ADVANTAGES

- Unique and advanced design for horizontal or vertical installation.
- Low silhouette only 200 mm.
- Unit equipped with water pump and overflow switch protector.
- Super quiet line thanks to advance aerodynamic fans and DC motor.
- Heating mode only force option.
- Treatment of corrosion on outdoor units and electronic cards.
- Possibility to reverse dry contact: normally open / normally closed.








RC08W

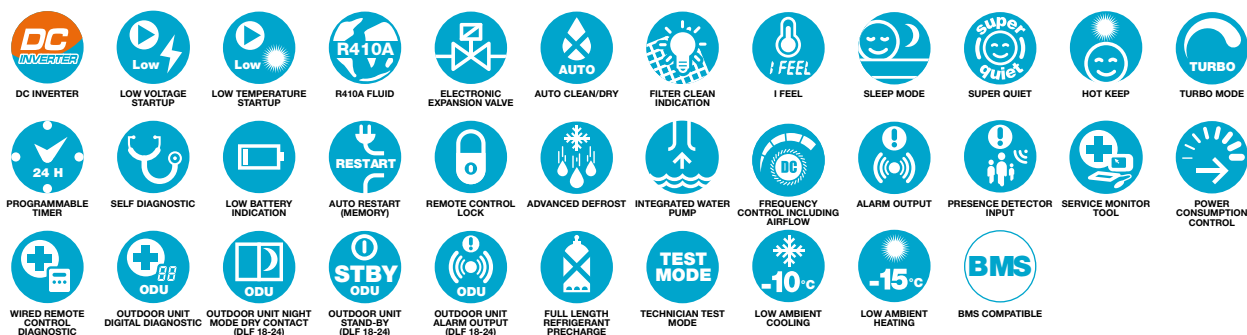
RCW2
(optional)

24 dB(A)

ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Additional accessory required	Function														
RCW2	7ACEL1212		Wired group control.		- Control up to 32 indoor units as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.														
RCL	7ACEL1378		Simple wired remote control.	CBI-B 7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.														
CBI-B	7ACEL1616		Communication interface board. Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 reversible dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).														
Duct plenum for DLF 12/18	7ACVF0516		Duct plenum for DLF 12/18.		Round duct connection with the following combination. <table><tr><th rowspan="2">Indoor model name</th><th colspan="2">Hoses connection</th></tr><tr><th>Option 1</th><th>Option 2</th></tr><tr><td>DLF 12</td><td>2x6"</td><td>-</td></tr><tr><td>DLF 18</td><td>3x6"</td><td>1x6" + 1x8"</td></tr><tr><td>DLF 24</td><td>4x6"</td><td>1x6" + 2x8"</td></tr></table>	Indoor model name	Hoses connection		Option 1	Option 2	DLF 12	2x6"	-	DLF 18	3x6"	1x6" + 1x8"	DLF 24	4x6"	1x6" + 2x8"
Indoor model name	Hoses connection																		
	Option 1	Option 2																	
DLF 12	2x6"	-																	
DLF 18	3x6"	1x6" + 1x8"																	
DLF 24	4x6"	1x6" + 2x8"																	
Duct plenum for DLF 24	7ACVF0517		Duct plenum for DLF 24.																

FEATURES



DLF TECHNICAL DATA

Indoor units		AWSI-DLF012-N11	AWSI-DLF018-N11	AWSI-DLF024-N11
Outdoor units		AWAU-YBDE012-H11	AWAU-YBDE018-H11	AWAU-YBDE024-H11
COOLING				
Rated capacity	kW	3.5 (1.4-4.3)	5.0 (1.5-5.8)	7.0 (1.5-7.5)
Pdesignnc	kW	3.5	5.0	7.0
Rated power input	kW	0.95	1.23	1.70
SEER/Energy label		5.61/A+	5.4/A	5.6/A+
Operating limits	°C	-10°/46° Dry bulb		
HEATING				
Rated capacity	kW	4.3 (1.5-5.8)	5.6 (1.3-6.8)	7.6 (1.5-8.8)
Pdesignnh	kW	3.5	4.8	7.5
Rated power input	kW	1.16	1.52	1.78
SCOP/Energy label (average climate)		4.00/A+	3.9/A	3.8/A
SCOP/Energy label (warmer climate)		-	4.3/A+	4.7/A++
Operating limits	°C	-15°/24° Dry bulb		
Capacity @ -10°C	kW	2.45	5.3	5.4
Capacity @ -15°C	kW	2.2	4.7	4.8
INDOOR UNIT				
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	24/27/31	29/32/35	32/35/39
Sound power level (LS/MS/HS)	dB(A)	45/49/53	48/51/54	56/59/63
Airflow (LS/MS/HS)	m³/h	490/580/650	540/600/710	900/950/1150
External static pressure Range	Pa	0-30	0-40	0-40
Dehumidification	l/h	1	1.8	2.7
Outline dimensions (WxHxD)	mm	750x630x200	750x630x200	1050x630x200
Package dimensions (WxHxD)	mm	890x710x243	890x710x243	1190x710x243
Net weight/Gross weight	kg	20/23	21/23	25/28
Part number		7SP022747	7SP022748	7SP022749
OUTDOOR UNIT				
Sound pressure level to 1 m	dB(A)	52	53	55
Sound power level	dB(A)	62	65	67
Airflow	m³/h	1780	2500	2750
Compressor type		Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	795x610x290	900x700x340	900x700x340
Package dimensions (WxHxD)	mm	970x650x394	985x730x435	985x730x435
Net weight/Gross weight	kg	38.5/42.5	56/58.5	61/63.5
Part number		7SP061820	7SP061886	7SP061887
POWER SUPPLY 1~230V - 50 HZ				
Power supply side		Indoor	Indoor & Outdoor	Outdoor
Power cable section	mm²	3x1.5	3x2.5	3x2.5
Fuse rating am	A	16	20	20
Electrical connections	mm²	4x1.5	4x1.5	4x1.5
PIPE LINE				
Suction pipe diameter	inches	3/8"	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"
Max length	m	20	30	30
Max height	m	10	15	15

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Ducted	ODU single
<p>DLF 12</p> 	<p>YBDE</p> 
<p>DLF 18 & 24</p> 	<p>YBDE</p> 



Unique
solutions

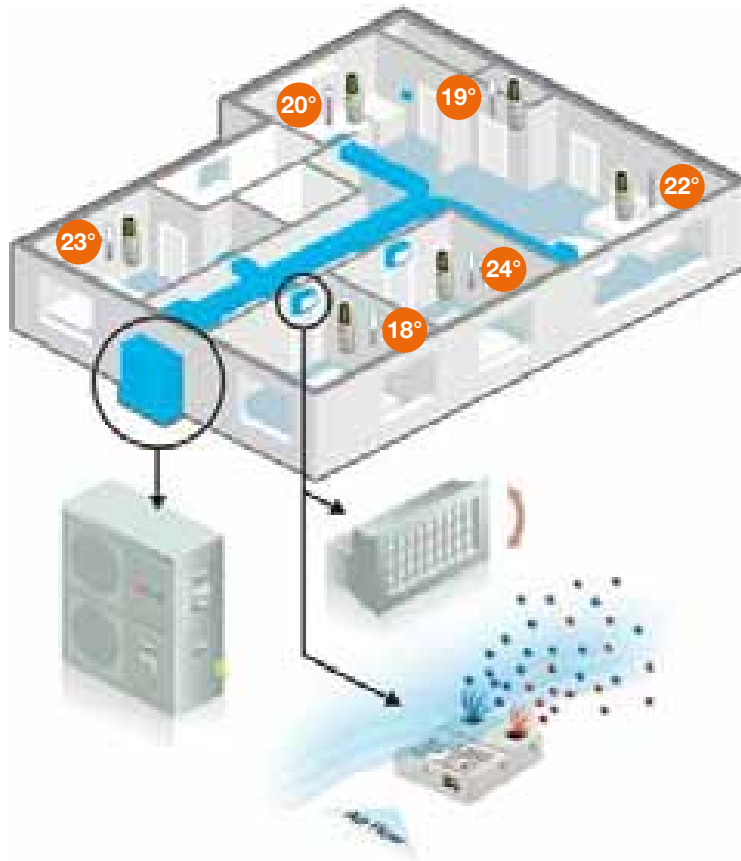
DLSE Plus VAV

Variable Air Volume

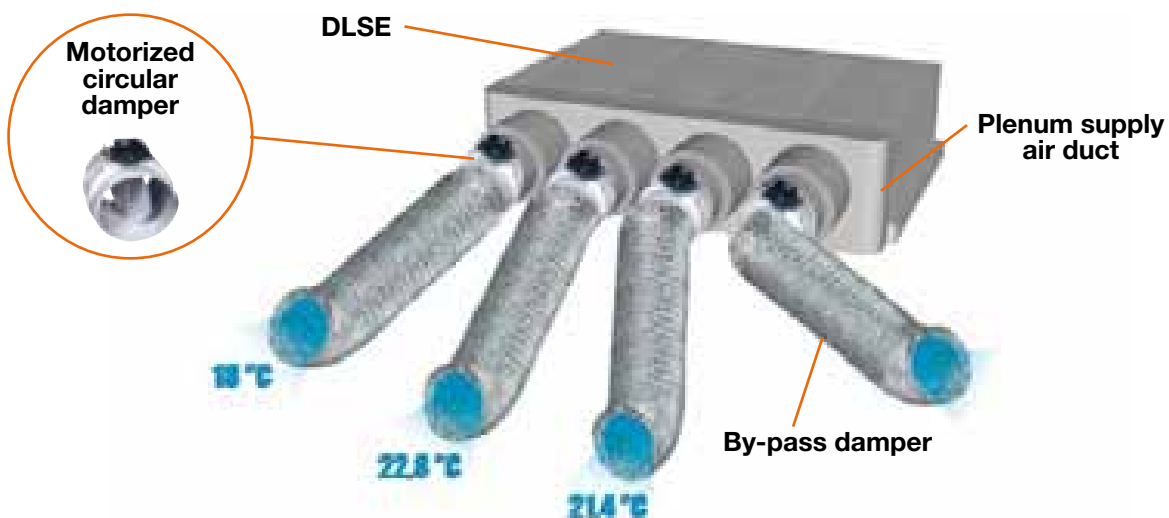


Zone control:
Ideal temperature in each room

RECTANGULAR APPLICATION



ROUND APPLICATION



Zone control function

- Intelligent air conditioning: Control up to 6 rooms.
- Each zone has a stand alone remote control, to control temperature, "I Feel" and ON/OFF.
- Option to define automatic damper movement or manually to keep max opening position.
- "I Feel" function to measure local temperature.
- Stop the system while all rooms reach the set temperatures and change the motor speed to low load.
- By-pass damper operates according to system load, the damper position logic has an option to set up a different logic formula.
- Auto-mode: automatically recognizes cooling or heating mode.
- Motorized damper with DC step motor for accurate damper position.

Energy and cost saving

- Two levels of energy saving:
 - Level A - by the inverter system follow the area load.
 - Level B - by adjusting the airflow and eliminate load from non used rooms.



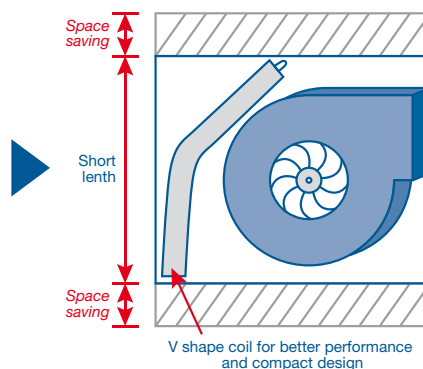
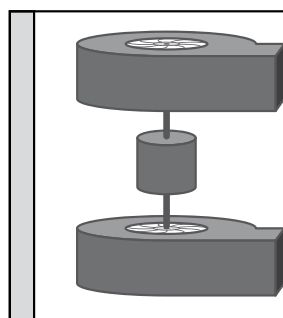
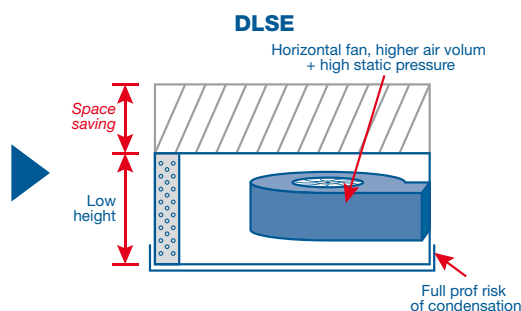
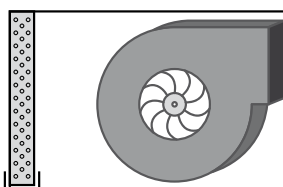
Easy installation

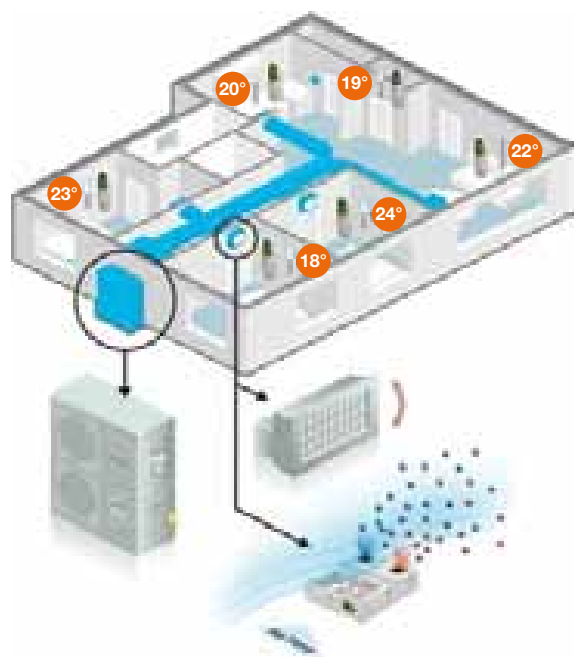
- Simple wiring connection by connectors and set up.
- Pre charge system with tubing up to 70 m.
- Standard indoor unit.
- Option to locate the control box besides the unit.
- Water pump and over flow switch built in.

Special design for your convenience

- Unique V shape coil.
- Extra slim indoor unit (low height: 256 mm only).

STANDARD DESIGN





How to order?

- For each installation need to select first the damper type, round or rectangular.
- The main controller is identical except the set up which is done during the installation.
- Once damper type selected order the grills, by-pass damper and the controller following the below tables.




MOTORIZED ROUND TYPE ACCESSORIES

Part description	Product code
Main controller VAV kit	7ACEL1641
Motorized round damper (D=150 mm) kit	7ACEL1648
Motorized round damper (D=200 mm) kit	7ACEL1649
Motorized round damper (D=250 mm) kit	7ACEL1650
Motorized by-pass round damper (D=200 mm) kit	7ACEL1651
Motorized by-pass round damper (D=250 mm) kit	7ACEL1652

MOTORIZED RECTANGULAR TYPE ACCESSORIES

Part description	Product code
Main controller VAV kit	7ACEL1641
Motorized grill (30 cm x 15 cm) kit	7ACEL1642
Motorized grill (40 cm x 15 cm) kit	7ACEL1643
Motorized grill (50 cm x 15 cm) kit	7ACEL1644
Motorized by-pass damper (40 cm x 15 cm) kit	7ACEL1645
Motorized by-pass damper (50 cm x 15 cm) kit	7ACEL1646
Duct frame profile for grille 150 mm	7ACVF0551
Duct frame profile for grille 300 mm	7ACVF0552
Duct frame profile for grille 400 mm	7ACVF0553
Duct frame profile for grille 500 mm	7ACVF0554
Sterionizer kit for motorized grill	7ACEL1655

PLENUM ACCESSORIES

Part description		Dimensions (WxHxD mm)	Diameter of duct (mm)	Product code
Universal plenum 3 ducts*		1100x350x370	250/200/160	7ACVF0127
Universal plenum 4 ducts*		1050x350x280	250/200/160	7ACVF0128
Universal plenum 6 ducts*		1485x350x420	4x200/160/2x250	7ACVF0129

* Supplied with one set of fixing elastomers, 1 manual and 6, 8 or 12 caps.



DLSE

DLSE+VAV

 Unique
solutions

DUCTED MEDIUM STATIC PRESSURE MONOSPLIT

A++

- Ducted line available in capacities from 5 up to 12.5 kW.
- Cooling & heating operation mode.
- Wireless remote control included with option of wired control.
- "I Feel" function with precise room temperature control.

PRODUCT ADVANTAGES

- Unique fan technology increase air volume and high static pressure while keeping low noise level.
- Quiet operation by using aerodynamic centrifugal fan.
- Unit equipped with water pump and overflow switch protector.
- Space saving due to low unit height and compact dimensions.
- Tubing length up to 50 m and max height of 30 m.
- External static pressure up to 100 Pa.
- Treatment of corrosion on outdoor units and electronic cards.
- Possibility to reverse dry contact: normally open / normally closed.






RC08W

RCW2
(optional)

Super quiet

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW2	7ACEL1212		Wired group control.		- Control up to 32 indoor units as a group or individually. - Option to set up to 15 group zones. - Option to set timer (daily and weekly), mode, fan speed and swing.
RCL	7ACEL1378		Simple wired remote control.	CBI-B 7ACEL1616	Simple functions as: ON/OFF, operating mode, temperature up and down, fan speed selection and room temperature.
CBI-B	7ACEL1616		Communication interface board. Heating model only option.	Kit is including cables.	- RS485, RCW2, RCL remote controls. - 1 reversible dry contact input (selecting by dip switches). - Alarm status output (12V DC). - ON/OFF status output (12V DC).

FEATURES







DLSE TECHNICAL DATA

Indoor units		AWSI-DLSE018-N11	AWSI-DLSE024-N11	AWSI-DLSE030-N11	AWSI-DLSE036-N11		DLSE 43 DCI R410 AW	
Outdoor units		AWAU-YBDE018-H11	AWAU-YBDE024-H11	AWAU-YBDE030-H11	AWAU-YBD036-H11	AWAU-YBD036-H13	AWAU-YBD042-H11	AWAU-YAD042-H13
COOLING								
Rated capacity	kW	5.0 (2.3-5.9)	6.8 (1.7-7.4)	7.5 (2.8-8.4)	9.5 (4.8-12.5)	9.5 (4.8-12.5)	12.5 (4.5-14.5)	12.5 (4.5-14.5)
Pdesigngc	kW	5.0	6.8	7.5	9.5	9.5	-	-
Rated power input	kW	1.22	1.93	2.46	3.31	3.04	3.73	3.56
SEER/Energy label		5.8/A+	5.4/A	5.5/A	5.6/A+	4.7/B	3.35/A	3.51/A
Operating limits	°C	-10°/46° Dry bulb						
HEATING								
Rated capacity	kW	5.6 (1.9-7.5)	7.6 (1.8-8.5)	8.6 (2.8-9.4)	10.5 (2.7-12.5)	11.6 (4.9-12.5)	14.0 (4.5-16.0)	14.0 (4.5-16.0)
Pdesignnh		5.5	7.5	8.6	9.5	10.5	-	-
Rated power input	kW	1.35	1.88	2.31	2.80	3.00	4.1	3.99
SCOP/Energy label (average climate)		3.9/A	3.8/A	3.9/A	3.8/A	3.9/A	3.41/B	3.51/B
SCOP/Energy label (warmer climate)		4.6/A+	4.9/A++	4.3/A+	4.6/A+	4.7/A++	-	-
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	5.3	5.8	7.1	6.9	8.9	9.3	9.3
Capacity @ -15°C	kW	4.7	5.2	6.3	6.2	8.0	8.3	8.3
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	35/38/41/43	38/42/45/48	39/43/46/48	41/45/46/48	41/45/46/48	42/46/53	42/46/53
Sound power level (LS/MS/HS/SS)	dB(A)	52/55/58/60	55/59/62/65	56/60/63/65	56/61/63/65	56/61/63/65	57/61/70	57/61/70
Airflow (LS/MS/HS/SS)	m³/h	740/875/1060/1150	870/1090/1220/1410	950/1140/1290/1410	1290/1550/1670/1750	1290/1550/1670/1750	1315/1530/2025	1315/1530/2025
External static pressure Range	Pa	25 (25~60)	25 (25~80)	25 (25~80)	37 (37~100)	37 (37~100)	50 (50~100)	50 (50~100)
Dehumidification	l/h	1.5	2.3	2.7	3.5	4.6	3.3	3.8
Outline dimensions (WxHxD)	mm	790x256x749	790x256x749	790x256x749	854x297x816	854x297x816	854x297x816	854x297x816
Package dimensions (WxHxD)	mm	960x300x855	960x300x855	960x300x855	1005x345x915	1005x345x915	1005x345x915	1005x345x915
Net weight/Gross weight	kg	29/31.5	30/32.5	31/33.5	33/35.5	33/35.5	33/35.5	33/35.5
Part number		7SP032154	7SP032155	7SP032156	7SP032157	7SP032157	7SP032087	7SP032087
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	53	55	56	58	58	58	58
Sound power level	dB(A)	65	67	68	69	69	70	70
Airflow	m³/h	2500	2750	3400	4150	4150	5700	5700
Compressor type		Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Scroll DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	900x700x340	900x700x340	900x860x340	900x970x340	900x970x340	900x1250x340	900x1250x340
Package dimensions (WxHxD)	mm	985x730x435	985x730x435	985x905x435	985x1020x435	985x1020x435	980x1400x420	980x1400x420
Net weight/Gross weight	kg	56/58.5	61/63.5	66/68.5	80/82.8	85/87.8	110/121	110/121
Part number 1-230V - 50 Hz		7SP061886	7SP061887	7SP061888	7SP061811	-	7SP061815	-
Part number 3-400V - 50 Hz - N		-	-	-	-	7SP061900	-	7SP061757
POWER SUPPLY 1-230V - 50 HZ								
Power supply side		Ind. & Out.	Outdoor	Outdoor	Outdoor	-	Outdoor	-
Power cable section	mm²	3x2.5	3x2.5	3x2.5	3x4.0	-	3x6.0	-
Fuse rating	A	20	20	20	25	-	32	-
Electrical connections	mm²	4x1.5	4x1.5	4x1.5	3x1.5 + 2x0.75	-	3x1.5 + 2x0.75	-
POWER SUPPLY 3-400V - 50 HZ - N								
Power supply side		-	-	-	-	Outdoor	-	Outdoor
Power cable section	mm²	-	-	-	-	5x2.5	-	5x2.5
Fuse rating am	A	-	-	-	-	3x16	-	3x16
Electrical connections	mm²	-	-	-	-	3x1.5 + 2x0.75	-	3x1.5 + 2x0.75
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	30	30	50	70	70	70	70
Max height	m	15	15	25	30	30	30	30

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Ducted	ODU single
DLSE 18	YBDE
	
DLSE 24 to 42	YBDE
	



HRV

HEAT RECOVERY UNIT DOUBLE FLOW EXCHANGER

- Two levels of air volume capacity 800 and 1000 m³/h
- Three operation modes: auto/heat recovery/collateral
- Four fan speeds
- ON/OFF 24h timer option



RWV03

PRODUCT ADVANTAGES

- Heat recovery.
- High efficiency heat transfer.
- Wide operating range.
- Adjustable airflow, operating mode and tier.
- Dual flow system allowing heat recovery between fresh air and indoor extracted air.
- Independent system which can be integrated to any VRF installation.
- The remote control is compatible with our VRF range.

HRV TECHNICAL DATA

Indoor units		AWSI-HRV0800-N11	AWSI-HRV1000-N11
Code		7SP03H023	7SP03H024
ELECTRICAL PARAMETERS			
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50
Rated Input power	kW	0.36	0.36
Rated current	A	1.65	1.65
PERFORMANCE			
Airflow (LS/HS)	m³/h	800/900	850/1000
Noise level (LS/HS)	dB(A)	55/57	55/57
Static pressure	Pa	120	100
Temperature exchange efficiency	%	36 (summer) / 65 (winter)	
INSTALLATION			
External dimensions (WxHxD)	mm	1112x387x1216	1227x387x1115
Shipping dimensions (WxHxD)	mm	1452x410x1220	1465x430x1213
Net/Shipping weight	kg	85.5/90.6	85.5/90.6

AIRWELL SOLUTIONS





Unique
solutions

DCD



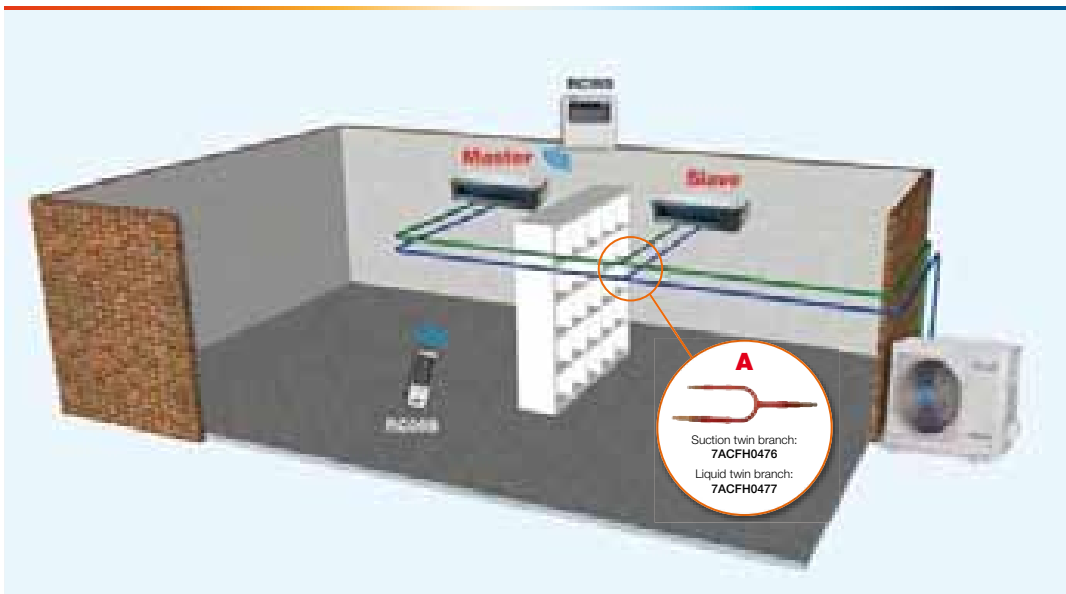
Twin application



The twin application is used mainly in big open space once the space area is controlling by one controller only for 2 units. Airwell twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units working in the same function and set up once one indoor unit use as a master.

The most economical solution for single-area spaces:

- Simple installation by having one refrigerant and control system.
- Space saving by using one outdoor unit instead of two.
- Low cost installation.
- Simple control, one control station for big space.
- Option to control by wireless or wired controller.
- Ducted or cassette application.



Capacity combinations	Indoor units	Outdoor units	Tubing & charge instructions	YLD036	YLD048	YLD060
Twin system	DCD018 + DCD018	YLD036	Pipe diameter (liquid-gas) (inches)	3/8"-5/8"		
	DCD024 + DCD024	YLD048	Max length (m)	30	50	50
	DCD030 + DCD030	YLD060	Max. length difference (m)	10		

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Branch gas	7ACFH0476		Twin branch suction	Tube branch to collect all suction lines. Mandatory for Twin application.
Branch liquid	7ACFH0477		Twin branch liquid	Tube branch to collect all liquid lines. Mandatory for Twin application.



DCD



DUCTED MEDIUM STATIC PRESSURE MONOSPLIT / MULTISPLIT → Only size 12

A++











- Ducted line available in capacities from 3.5 up to 16 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.
- Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

- Full range of accessories and controls.
- Possibility to wire a water pump.
- Air return option from rear or bottom side.
- Option to connect to central controller or wireless remote control.
- Air filter is included.
- Twin application.

RCW8
(STD)RCW6
(optional)RC08B
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Panel for DCD12	7ACVF0559		Air return grill DCD12	
Front board for DCD12	7ACEL1699		Air duct plenum DCD12	
Panel for DCD18/24	7ACVF0561		Air return grill DCD 18/24	
Front board for DCD18/24	7ACEL1701		Air duct plenum DCD 18/24	
Front board for DCD30	7ACEL1702		Air duct plenum DCD30/36/4	
Panel for DCD30	7ACVF0562		Air return grill DCD30	
Panel for DCD36/48	7ACVF0563		Air return grill DCD36/48	
RC08B	7ACEL1712			Operating mode, temperature up and down, fan speed selection, "I Feel" function, horizontal and vertical flap swing, timer, silent mode.
RCW6	7ACEL1704		Wired single control (except for DCD012)	Mode, fan speed, real time, timer, temperature, weekly timer, swing and "I Feel".
RCW8	7ACEL1706		Wired single control (only for DCD012)	Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller (except for DCD012)	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

FEATURES



FLEXY MATCH



DC INVERTER



R410A FLUID

ELECTRONIC
EXPANSION VALVE

FRESH AIR



I FEEL



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY

24 H
PROGRAMMABLE
TIMER

SELF DIAGNOSTIC

LOW BATTERY
INDICATIONAUTO RESTART
(MEMORY)REMOTE CONTROL
LOCKINTEGRATED WATER
PUMP

ALARM OUTPUT



UNIT ON INPUT

OUTDOOR
MULTI FAN SPEED-15°C
LOW AMBIENT
COOLING-15°C
LOW AMBIENT
HEATING

TWIN APPLICATION



BMS COMPATIBLE

DCD TECHNICAL DATA

Indoor units		AWSI-DCD012-N11	AWSI-DCD018-N11	AWSI-DCD024-N11	AWSI-DCD030-N11	AWSI-DCD036-N11	AWSI-DCD036-N11	AWSI-DCD048-N11	AWSI-DCD060-N11
Outdoor units 1~230V - 50 Hz		AWAU-YLD012-H11	AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-	-
Outdoor units 3~400V - 50 Hz - N		-	-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13	AWAU-YLD060-H13
COOLING									
Rated capacity	kW	3.5 (1.1~4.0)	5.3 (1.5~6.4)	7 (2.0~7.9)	8.3 (2.5~9.5)	10 (3.2~11.6)	10.2 (3.2~11.6)	14.0 (4.5~15.2)	16.0 (5.6~17.6)
Pdesignnc	kW	3.5	5.3	7	8.3	10	10.2	-	-
Rated power input	kW	1.09	1.65	2.18	2.76	3.32	3.39	4.36	4.97
SEER/Energy label		5.1/A	6.4/A++	6.6/A++	6.3/A++	5.3/A	5.1/A	3.21/A	3.22/A
Operating limits	°C	-15°/50° Dry bulb							
HEATING									
Rated capacity	kW	3.8 (1.1~4.5)	5.6 (1.5~6.8)	7.8 (2.0~8.8)	9.2 (2.6~10.3)	11.0 (3.2~12.5)	11.0 (3.2~12.5)	17 (5.2~18.2)	19.5 (6.0~21.2)
Pdesignnh (average climate)	kW	3.4	5.1	7.8	8.5	10.2	10.2	-	-
Pdesignnh (warmer climate)	kW	3.5	5.1	7.8	8.5	10.5	10.5	-	-
Rated power input	kW	1.05	1.47	2.14	2.48	3.05	3.05	4.57	5.39
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.72/A	3.62/A
SCOP/Energy Label (warmer climate)		4.8/A++	4.8/A++	4.6/A++	4.6/A++	4.4/A++	4.4/A++	-	-
Operating limits	°C	-15°/24° Dry bulb							
Capacity @ -10°C	kW	3	4.3	6.6	6.9	9	8.5	13.6	15.6
Capacity @ -15°C	kW	2.7	3.6	5.8	5.9	7.9	7.8	11	12.6
INDOOR UNIT									
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/39/41	39/43/45	39/43/46	40/44/48	36/39/42	36/39/42	36/39/42	51/54/57
Sound power level	dB(A)	58	58	63	65	62	62	62	67
Airflow (LS/MS/HS)	m³/h	410/440/560	800/950/1250	800/950/1250	1140/1580/1990	1180/1560/1740	1180/1560/1740	~1640/2410	1940/2410/3010
External static pressure Range	Pa	25 (0~40)	25 (0~60)	25 (0~80)	37 (0~80)	37 (0~80)	37 (0~80)	50 (0~100)	50 (0~200)
Dehumidification	l/h	1.5	2.0	2.3	2.5	3.5	3.5	4.5	5.0
Outline dimensions (WxHxD)	mm	700x210x635	920x270x635	920x270x635	1140x270x775	1200x300x865	1200x300x865	1200x300x865	1400x440x858
Package dimensions (WxHxD)	mm	915x290x655	1135x350x655	1135x350x655	1355x350x795	1385x373x920	1385x373x920	1385x373x920	1590x470x895
Net weight/Gross weight	kg	18/22.8	28/31.5	28/31.5	35/42	44/52.5	44/52.5	44/53	75/83
Part number		7SP032158	7SP032159	7SP032142	7SP032143	7SP032144	7SP032144	7SP032145	7SP032146
OUTDOOR UNIT									
Sound pressure level to 1 m	dB(A)	52	55	57	58	60	60	61	61
Sound power level	dB(A)	62	65	69	70	70	70	70	70
Airflow	m³/h	2200	2500	3500	3800	5500	5500	7200	7500
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	887x645x355	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	35.4/37.9	46/50	59/63	59/63	73/83	77/88	102.5/116	102.5/116
Part number 1~230V - 50 Hz		7SP062821	7SP062822	7SP062823	7SP062824	7SP062825	-	-	-
Part number 3~400V - 50 Hz - N		-	-	-	-	-	7SP062826	7SP062827	7SP062828
POWER SUPPLY 1~230V - 50 HZ									
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	-	-	-
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-	-
Fuse rating am	A	16	10+16	10+20	10+30	10+30	-	-	-
Electrical connections	mm²	4x1.0	3x0.5	3x0.5	3x0.5	3x0.5	-	-	-
POWER SUPPLY 3~400V - 50 HZ - N									
Power supply side		-	-	-	-	-	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	-	3x0.5	3x0.5	3x0.5
PIPE LINE									
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	30	50	50	65	65	65	65
Max height	m	10	20	25	25	30	30	30	30

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
Ducted	ODU single	ODU multi
DCD 12	YLD	YDZ
DCD 18 to 36	YLD	
DCD 48 & 60	YLD	



DBF

ON/OFF DUCTED MEDIUM STATIC PRESSURE

- Ducted line available in capacities from 14 up to 15.5 kW.
- Cooling and heating operation mode.
- Available in 3PH.
- Wired control as a standard.



RCW8





RC08B
(optional)

PRODUCT ADVANTAGES

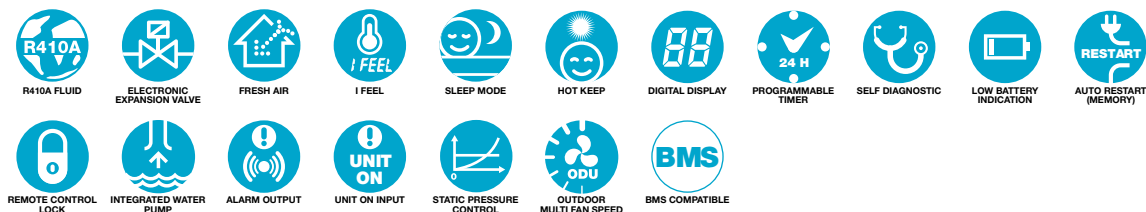
- Integrated water pump.
- Static pressure control.
- Optional for parallel installation of same indoor unit.
- Option for connect air return plenum from rear or bottom side.
- External static pressure up to 100 Pa.



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Panel for DBF48/60	7ACVF0563		Air return grill DBF42/60	
RC08B	7ACEL1712			Operating mode, temperature up and down, fan speed selection, "I Feel" function, horizontal and vertical flap swing, timer, silent mode.
RCW6	7ACEL1704		Wired single control	Mode, fan speed, real time, timer, temperature, weekly timer, swing and "I Feel".
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

FEATURES



DBF TECHNICAL DATA

Indoor units		AWSI-DBF048-N11		AWSI-DBF060-N11	
Outdoor units 3~400V - 50 Hz - N		AWAU-YOF048-H13		AWAU-YOF060-H13	
COOLING					
Rated capacity	kW	14		15.5	
Rated power input	kW	4.96		5.93	
EER/Energy label		2.82/C		2.61/D	
Operating limits	°C	18°/43° Dry bulb			
HEATING					
Rated capacity	kW	15.6		17	
Rated power input	kW	4.31		5.29	
COP/Energy label		3.62/A		3.21/C	
Operating limits	°C	-7°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	40/45/49		40/45/49	
Sound power level	dB(A)	59		59	
Airflow (LS/MS/HS)	m³/h	1700/2100/2500		1700/2100/2500	
Dehumidification	l/h	4.3		5.0	
External static pressure range	Pa	70 (0~100)		70 (0~100)	
Outline dimensions (WxHxD)	mm	1200x300x865		1200x300x865	
Package dimensions (WxHxD)	mm	1385x373x920		1385x373x920	
Net weight/Gross weight	kg	45/53		45/53	
Part number		7SP032152		7SP032153	
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	62		63	
Sound power level	dB(A)	72		73	
Airflow	m³/h	7200		7500	
Compressor type		Scroll		Scroll	
Outline dimensions (WxHxD)	mm	938x1369x392		938x1369x392	
Package dimensions (WxHxD)	mm	1095x1505x495		1095x1505x495	
Net weight/Gross weight	kg	110/124		111.1/125.4	
Part number 3~400V - 50 Hz - N		7SP062848		7SP062849	
POWER SUPPLY 3~400V - 50 HZ - N					
Power supply side		Indoor & Outdoor		Indoor & Outdoor	
Power cable section	mm²	3x1.0 + 5x2.5		3x1.0 + 5x2.5	
Fuse rating am	A	16 + 20		16 + 20	
Electrical connections	mm²	3x0.5		3x0.5	
PIPE LINE					
Suction pipe diameter	inches	3/4"		3/4"	
Liquid pipe diameter	inches	3/8"		3/8"	
Max length	m	50		50	
Max height	m	25		25	

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Ducted	ODU single
DBF 	YOF



DAF

ON/OFF DUCTED HIGH STATIC
PRESSURE 68 TO 136

- Ducted line available in capacities from 20 up to 39.5 kW.
- Cooling & heating operation mode.
- "I Feel" function with precise room temperature control.

PRODUCT ADVANTAGES

- **3Ph protector.**
- **All season kit integrated (fan speed controller).**
- Wired (IR receiver integrated) and wireless remote controls provided as standard.
- Self diagnostic (error indications) in remote the wired remote control for ease of maintenance.
- Space saving due to low unit height.
- Centralized controller up to 16 units including weekly timer (optional).
- Sizes 85 & 136 operating in -15°C with season kit integrated.




RC08A



RCW3

RCW4
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW4	7ACEL1613		Wired group control.	RCW3	<ul style="list-style-type: none"> - Control up to 16 indoor unit as a group or individually. - Option to set in each indoor unit ON/OFF, set temperature, timer (daily and weekly), mode, fan speed and swing. - Indicating failure code.

FEATURES



R410A FLUID



AUTO CLEAN/DRY



I FEEL



SLEEP MODE



HOT KEEP



TURBO MODE



SELF DIAGNOSTIC



LOW BATTERY INDICATION



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



ADVANCED DEFROST

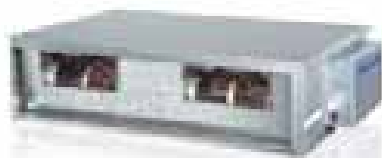
DAF TECHNICAL DATA

Indoor units		AWSI-DAF068-N13	AWSI-DAF085-N13	AWSI-DAF102-N13	AWSI-DAF136-N13
Outdoor units		AWAU-YIF068-H13	AWAU-YIF085-H13	AWAU-YIF102-H13	AWAU-YIF136-H13
COOLING					
Rated capacity	kW	20.0	24.5	30.0	39.5
Rated power input	kW	8.4	9.8	11.0	15.8
EER		2.38	2.5	2.73	2.5
Operating limits	°C	18°/43° Dry bulb	-15°/43° Dry bulb	18°/43° Dry bulb	-15°/43° Dry bulb
HEATING					
Rated capacity	kW	22.0	27.5	33.0	42.0
Rated power input	kW	7.4	9.00	9.0	14.0
COP		2.97	3.05	3.67	3.0
Operating limits	°C	-7°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m	dB(A)	56	54	57	58
Sound power level	dB(A)	66	64	67	68
Airflow	m³/h	4000	4800	5500	7000
External static pressure	Pa	200 (100-300)	110 (30-250)	120 (50-250)	150 (50-300)
Dehumidification	l/h	5.4	7.5	9	12
Outline dimensions (WxHxD)	mm	1463x389x799	1500x500x1000	1500x500x1000	1700x650x1100
Package dimensions (WxHxD)	mm	1540x470x880	1840x673x1200	1840x673x1200	1890x835x1460
Net weight/Gross weight	kg	86/109	150/200	156/206	215/265
Part number		7SP032127	7SP032128	7SP032129	7SP032130
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	65	66	67	69
Sound power level	dB(A)	75	76	77	79
Airflow	m³/h	8000	8000	11000	13000
Compressor type		Scroll	Scroll	Scroll	Scroll
Outline dimensions (WxHxD)	mm	1150x1350x460	1150x1600x460	990x1772x880	1290x1772x880
Package dimensions (WxHxD)	mm	1317x1475x502	1317x1730x502	1162x1950x980	1370x1950x980
Net weight/Gross weight	kg	158/174	185/200	216/266	285/330
Part number 3~400V - 50 Hz - N		7SP061794	7SP061795	7SP061796	7SP061797
POWER SUPPLY 3~400V - 50 HZ - N					
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	5x1.0 - 5x4.0	5x1.0 - 5x6.0	5x1.0 - 5x10.0	5x1.5 - 5x10.0
Fuse rating am	A	10 - 25	10 - 32	10 - 40	10 - 40
Electrical connections	mm²	2x0.75	2x0.75	2x0.75	2x0.75
PIPE LINE					
Suction pipe diameter	inches	3/4"	1"	1-1/8"	1-1/8"
Liquid pipe diameter	inches	3/8"	3/8"	1/2"	5/8"
Max length	m	50	50	50	50
Max height	m	30	30	30	30

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Ducted	ODU single
<p>DAF</p>	<p>YIF</p>



DK DN

ON/OFF DUCTED HIGH STATIC PRESSURE

- Cooling and heating mode
- Cooling capacity: from 37.5 to 83 kW
- Heating capacity: from 36.5 to 83.8 kW
- Refrigerant: R407C



PRODUCT ADVANTAGES

- Weather resistant casing with external panels coated with powder-based epoxy paint colour RAL 7040.
- Indoor centrifugal fan units for duct network connection.
- High static pressure available.
- Multi-position architecture for horizontal or vertical mounting (acc. to models).
- Compact, top discharge outdoor fan units.
- Scroll compressor with crankcase heater.
- Electrical, refrigeration and thermal protection devices.
- Phase controller.
- External HP and LP pressure taps.
- Frame and air filter supplied.

MAIN OPTIONS

- Low ambient temperature control to ensure cooling operation down to -10°C outdoor temperature (All-season).

MAIN ACCESSORIES

- Synthetic air filter.
- Electric heater.
- Programmable controller RCW2 to control up to 15 units with independent set points and programming.

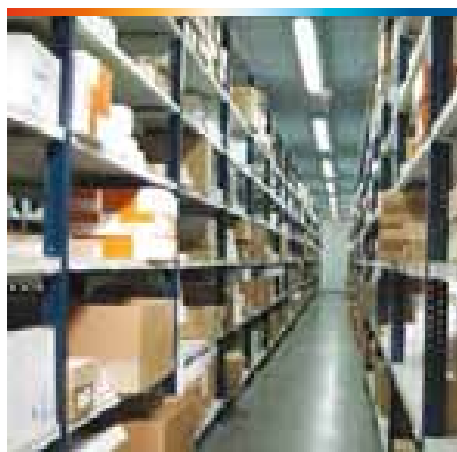
OPERATING LIMIT FOR STANDARD UNIT

Cooling mode	
Minimum indoor air temperature	21°C DB/15°C WB
Maximum indoor air temperature	32°C DB/23°C WB
Minimum outdoor air temperature/with all-season kit	15°C DB/-10°C
Maximum outdoor air temperature	46°C DB
Heating mode	
Maximum indoor air temperature	27°C DB
Minimum outdoor air temperature	-10°C
Maximum outdoor air temperature	24°C DB/18°C WB

DK DN TECHNICAL DATA

Indoor units			DK 405	DK 505	DK 605	DK 755	DK 905
Outdoor units	Cooling only		DN 405	DN 505	DN 605	DN 755	DN 905
	Reversible		DN 405RC	DN 505RC	DN 605RC	DN 755RC	DN 905RC
PRODUCT CODES							
Indoor units	Low ventilation	Code	7SP051144	7SP051145	7SP051146	7SP051122	7SP051123
	High ventilation	Code	7SP051148	7SP051149	7SP051150	-	-
Outdoor units - Cooling only	Standard	Code	7SP112016	7SP112017	7SP112018	7SP112137	7SP112146
	With all-season control	Code	7SP112085	7SP112086	7SP112087	Included	Included
Outdoor units - Reversible	Standard	Code	7SP112022	7SP112023	7SP112024	7SP112138	7SP112147
	With all-season control	Code	7SP112091	7SP112092	7SP112093	Included	Included
CAPACITIES							
Cooling	Cooling capacity	kW	37.5	44.0	56.0	69.1	83.0
	Rated power input	kW	14.4	16.7	22.5	26.9	33.0
	EER		2.6	2.6	2.5	2.6	2.5
Heating	Heating capacity	kW	36.5	42.0	57.5	71.0	83.8
	Rated power input	kW	11.9	14.4	22.9	26.4	32.4
	COP		2.9	2.5	2.7	2.6	2.5
Refrigerant circuit		nb	2	2	2	2	2
INDOOR UNIT							
Ventilation	Available static pressure in low ventilation	Pa	140	190	200	50	40
	Available static pressure	Pa	180	520	320	330	460
	Nominal airflow	m³/h	7560	9360	9720	12000	14300
	Airflow range (min/max)	m³/h	6000/8200	7500/10300	7780/11000	9600/13200	11440/15730
Sound levels	Sound power level	dB(A)	83	84	85	87	87
Dimensions	WxHxD	mm	1690x676x1078	2100x703x1078	2100x703x1078	2208x795x949	2208x945x949
	Mounting	H/V	H	H	H	H	H
Weight	Unit weight	kg	160	205	209	266	282
OUTDOOR UNIT							
Ventilation	Number of fan		2	2	2	2	2
	Nominal airflow	m³/h	2x9000	2x9000	2x9000	2x16000	2x16000
Sound levels	Sound power level	dB(A)	87	86	86	87	87
Dimensions	WxHxD	mm	1708x972x1123	1708x1171x1123	1708x1171x1123	2213x1309x1345	2213x1459x1345
Weight	Unit weight	kg	317	378	405	559	592
Power supply	Power supply		400V/3P/50 Hz				
	Power supply side		Outdoor				
Pipe line	Suction pipe diameter < 20m	inches	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"
	Suction pipe diameter > 20m	inches	7/8"	7/8"	1-1/8"	1-3/8"	1-3/8"
	Liquid pipe diameter < 20m	inches	1/2"	1/2"	1/2"	5/8"	5/8"
	Liquid pipe diameter > 20m	inches	5/8"	5/8"	5/8"	5/8"	5/8"
	Max length	m	30	30	30	30	30
	Max height	m	15	15	15	15	15
ACCESSORIES							
Electric heater		kW	21	30	30	30	30
		Code	7ACEL1177	7ACEL1178	7ACEL1178	7ACEL1340	7ACEL1340
Remote control RCW2		Code	7ACEL1212				
Air filter		Code	7ACVF0125	7ACVF0126	7ACVF0126	-	-

AIRWELL SOLUTIONS



Cassette Range

[MODEL NAME]

Page

INVERTER CASSETTE MONOSPLIT
MULTISPLIT → ONLY SIZES 12 & 18



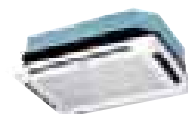
CBD



56

INVERTER CASSETTE MONOSPLIT

CAD



60

ON/OFF CASSETTE

CBF



62

12 3.5 kW	18 5 kW	24 7 kW	30 8 kW	36 10 kW	48 12.5 kW	60 16 kW
--------------	------------	------------	------------	-------------	---------------	-------------


60 x 60


60 x 60


90 x 90


90 x 90


90 x 90


90 x 90


95 x 134


90 x 90


90 x 90



Unique
solutions

CBD



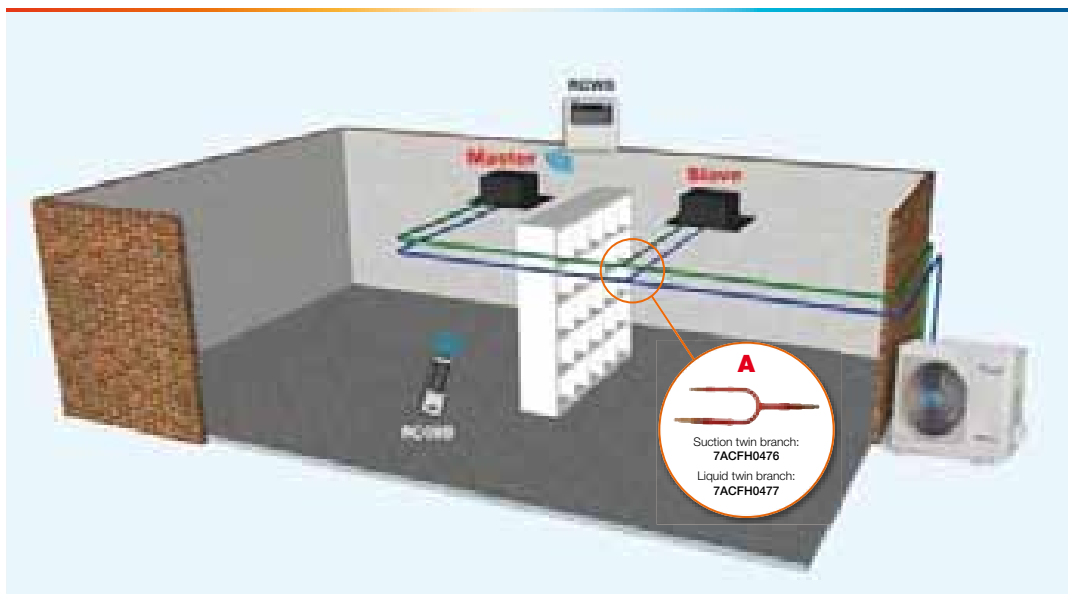
Twin application



The twin application is used mainly in big open space once the space area is controlling by one controller only for 2 units. Airwell twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units working in the same function and set up once one indoor unit use as a master.

The most economical solution for single-area spaces:

- Simple installation by having one refrigerant and control system.
- Space saving by using one outdoor unit instead of two.
- Low cost installation.
- Simple control, one control station for big space.
- Option to control by wireless or wired controller.
- Ducted or cassette application.



Capacity combinations	Indoor units	Outdoor units	Tubing & charge instructions	YLD036	YLD048	YLD060
Twin system	CBD018 + CBD018	YLD036	Pipe diameter (liquid-gas) (inches)	3/8"-5/8"		
	CBD024 + CBD024	YLD048	Max length (m)	30	50	50
	CBD030 + CBD030	YLD060	Max. length difference (m)	10		

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Branch gas	7ACFH0476		Twin branch suction	Tube branch to collect all suction lines. Mandatory for Twin application.
Branch liquid	7ACFH0477		Twin branch liquid	Tube branch to collect all liquid lines. Mandatory for Twin application.



600x600 and 900x900

A⁺⁺
CBD 

TWIN APPLICATION

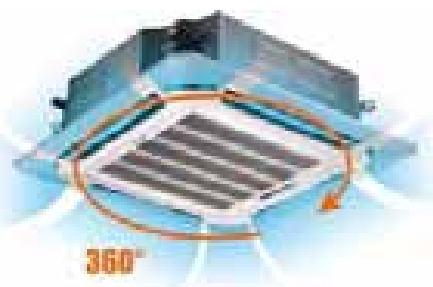
CASSETTE MONOSPLIT MULTISPLIT → Only sizes 12 & 18

- Cassette line available in capacities from 3.5 to 12.5 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.
- Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- Fresh air (optional).
- Integrated water pump.
- Centralized controller up to 64 units including weekly timer (optional).
- Sizes 12 & 18 can also match to multi ODU (see dedicated part number page 76).
- Twin application.




360 DEGREE FLOW WITH ROUND CORNERS



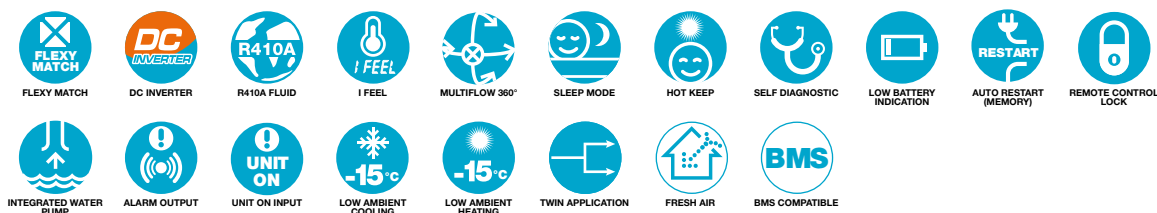
RC08B

RCW8
(optional)RCW6
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
RCW6	7ACEL1704		Wired single control for CBD 24-48	Mode, fan speed, real time, timer, temperature, weekly timer, swing and "I Feel".
RCW8	7ACEL1706		Wired single control	Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

FEATURES

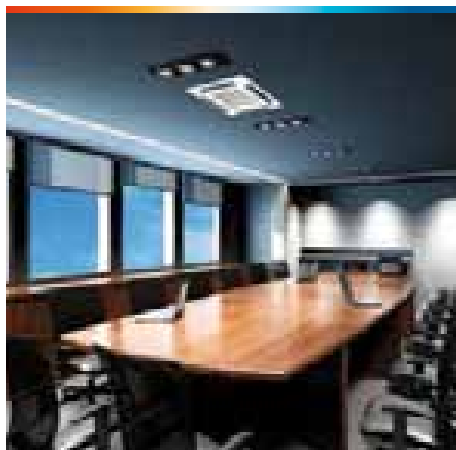


CBD TECHNICAL DATA

Indoor units		AWSI-CBD012-N11	AWSI-CBD018-N11	AWSI-CBD024-N11	AWSI-CBD030-N11	AWSI-CBD036-N11	AWSI-CBD036-N11	AWSI-CBD048-N11
Outdoor units 1~230V - 50 Hz		AWAU-YLD012-H11	AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-
Outdoor units 3~400V - 50 Hz - N		-	-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13
COOLING								
Rated capacity	kW	3.5 (1.0~4.0)	5.0 (1.6~6.2)	7.2 (2.0~7.8)	8.5 (2.4~9.6)	10.0 (3.0~11.8)	10.0 (3.0~11.8)	12.5 (4.2~14.0)
Pdesignnc	kW	3.5	5.0	7.2	8.5	10.0	10.0	-
Rated power input	kW	1.09	1.65	2.24	2.82	3.32	3.32	3.89
SEER/Energy label		5.6/A+	5.6/A+	6.1/A++	6.4/A++	5.4/A	5.4/A	3.21/A
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated capacity	kW	3.5 (1.0~4.1)	5.3 (1.6~6.4)	8.0 (2.2~8.6)	8.6 (2.5~9.8)	10.5 (3.2~12.0)	10.5 (3.2~12.0)	13.0 (4.2~14.8)
Pdesignnh (average climate)	kW	3.5	5.3	7.8	8.1	10.0	10.0	-
Pdesignnh (warmer climate)	kW	3.5	5.3	7.8	8.1	10.5	10.5	-
Rated power input	kW	0.97	1.47	2.15	2.34	2.91	2.91	3.60
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.9/A	3.9/A	3.8/A	3.8/A	3.61/A
SCOP/Energy Label (warmer climate)		4.8/A++	4.8/A++	4.6/A++	4.6/A++	4.4/A++	4.4/A++	-
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	3.1	4.4	6.6	6.7	8.7	8.7	10.4
Capacity @ -15°C	kW	2.7	3.7	5.7	5.8	7.5	7.2	9.1
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34/38/42	33/40/48	42/45/47	44/47/50	46/49/51	46/49/51	47/50/54
Sound power level	dB(A)	55	60	62	62	63	63	64
Airflow (LS/MS/HS)	m³/h	450/530/650	500/650/800	1300/1500/1700	1400/1600/1850	1400/1600/1850	1400/1600/1850	1600/1800/2200
Dehumidification	l/h	1.5	2	2.5	3	3.8	3.8	4.5
Outline dimensions (WxHxD)	mm	570x260x570	570x260x570	840x245x840	840x245x840	840x245x840	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	655x655x290	655x655x290	900x265x900	900x265x900	900x265x900	900x265x900	900x292x900
Net weight/Gross weight	kg	16/19	16.5/19	24/28	26.5/30.5	26.5/30.5	26.5/30.5	29/33
Part number		7SP042243	7SP042244	7SP042224	7SP042225	7SP042226	7SP042226	7SP042227
FRAME								
Outline dimensions (WxHxD)	mm	650x50x650	650x50x650	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	715x123x715	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	2.5/4.5	2.5/4.5	5/8	5/8	5/8	5/8	5/8
Part number frame		7ACVF0566	7ACVF0566	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564	7ACVF0564
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	52	55	57	58	60	60	61
Sound power level	dB(A)	62	65	69	70	70	70	70
Airflow	m³/h	2200	2500	3500	3800	5500	5500	7200
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392
Package dimensions (WxHxD)	mm	887x645x355	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495
Net weight/Gross weight	kg	35.4/37.9	46/50	59/63	59/63	73/83	77/88	102.5/116
Part number 1~230V - 50 Hz		7SP062821	7SP062822	7SP062823	7SP062824	7SP062825	-	-
Part number 3~400V - 50 Hz - N		-	-	-	-	-	7SP062826	7SP062827
POWER SUPPLY 1~230V - 50 HZ								
Power supply side		Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	-	-
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-
Fuse rating am	A	16	10+16	10+20	10+30	10+30	-	-
Electrical connections	mm²	4x1.0	3x0.5	3x0.5	3x0.5	3x0.5	-	-
POWER SUPPLY 3~400V - 50 HZ - N								
Power supply side		-	-	-	-	-	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25
Electrical connections	mm²	-	-	-	-	-	3x0.5	3x0.5
PIPE LINE								
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	30	50	50	65	65	65
Max height	m	10	20	25	25	30	30	30

See dedicated part number for multisplit application in page 76.

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
Cassette	ODU single	ODU multi
CBD 12 & 18	YLD	
CBD 12 & 18X		YCZ
CBD 24 to 48	YLD	



CAD

CASSETTE 950x1340 MONOSPLIT

- Cassette line available in capacity of 14 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.






RCV01

[PRODUCT ADVANTAGES]

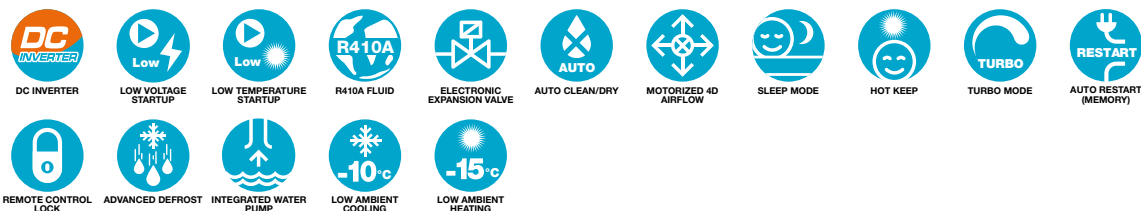
- Operating in ambient temperature, up to -15°C in heating and -10°C in cooling.
- Centralized controller up to 128 groups including weekly timer (optional).
- Integrated water pump.

RWV01
(optional)RWV02
(optional)RWV04
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
RWV01	7ACELH002		Wired standard controller	Unit operating and group control (max. 16 indoor units).
RWV02	7ACELH003		Central controller "Touch screen"	Option to control up to 128 groups (16 units per group) a total of 2 048 units, including weekly timer.
RWV04	7ACELH010		Wired control	Option to control up to 16 units including weekly timer.

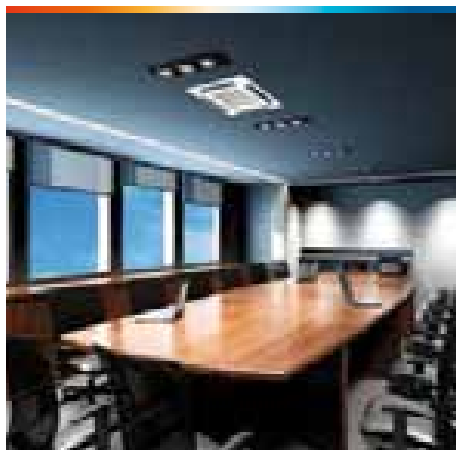
FEATURES



CAD TECHNICAL DATA

Indoor unit		AWSI-CAD060-N11
Outdoor unit		AWAU-YUDA060-H13
COOLING		
Rated capacity	kW	14.0 (4.0-15.5)
Rated power input	kW	4.36 (2.0-6.5)
Operating limits	°C	-10°/46° Dry bulb
HEATING		
Rated capacity	kW	15.0 (4.0-17.5)
Rated power input	kW	4.4 (2.0-6.5)
SCOP/Energy label		3.41/B
Operating limits	°C	-15°/24° Dry bulb
Capacity @ -10°C	kW	12.0
Capacity @ -15°C	kW	11.0
INDOOR UNIT		
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	42/45/50
Sound power level	dB(A)	63
Airflow (LS/MS/HS)	m³/h	1500/1750/1980
Dehumidification	l/h	5
Outline dimensions (WxHxD)	mm	840x280x1230
Package dimensions (WxHxD)	mm	920x370x1325
Net weight/Gross weight	kg	46/53
Part number		7SP042219
FRAME		
Outline dimensions (WxHxD)	mm	950x80x1340
Package dimensions (WxHxD)	mm	995x115x1400
Net weight/Gross weight	kg	8.4/12
Part number frame		7ACVF0549
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	60
Sound power level	dB(A)	73
Airflow	m³/h	6500
Compressor type		Rotary DC Inverter
Outline dimensions (WxHxD)	mm	948x1250x340
Package dimensions (WxHxD)	mm	1095x1400x410
Net weight/Gross weight	kg	96/106
Part number 3~400V - 50 Hz - N		7SP062793
POWER SUPPLY 3~400V - 50 HZ - N		
Power supply side		Outdoor
Power cable section	mm²	5x4.0
Fuse rating am	A	20
Electrical connections	mm²	4x1.5
PIPE LINE		
Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	3/8"
Max length	m	50
Max height	m	30

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Cassette	ODU single
CAD	YUDA
	



CBF

ON/OFF CASSETTE 900X900

- Cassette line available in capacities from 12.8 up to 14 kW.
- Cooling and heating operation mode.
- "I Feel" function with precise room temperature control.



RC08B

PRODUCT ADVANTAGES




- Compact and slim design from 245 mm (model 48).
- Integrated electronic control box.
- Option for fresh air intake.

RCW8
(optional)

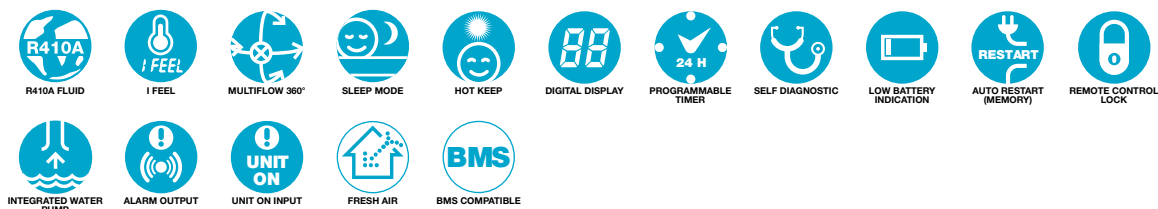
360 DEGREE FLOW WITH ROUND CORNERS

Central controller
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Cassette panel 900x900 for CBF	7ACVF0564		Cassette panel 900x900 for CBF	
RCW8	7ACEL1706		Wired single control	Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

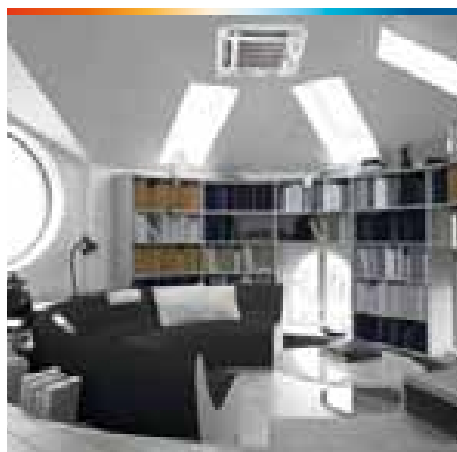
FEATURES



CBF TECHNICAL DATA

Indoor units		AWSI-CBF048-N11	AWSI-CBF060-N11
Outdoor units 3~400V - 50 Hz - N		AWAU-YOF048-H13	AWAU-YOF060-H13
COOLING			
Rated capacity	kW	12.8	14
Rated power input	kW	4.77	5.57
EER/Energy label		2.68/D	2.51/E
Operating limits	°C	18°/43° Dry bulb	
HEATING			
Rated capacity	kW	13.6	16
Rated power input	kW	4.65	6.1
COP/Energy label		2.92/D	2.62/E
Operating limits	°C	-7°/24° Dry bulb	
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	46/49/54	47/50/55
Sound power level	dB(A)	64	65
Airflow (LS/MS/HS)	m³/h	1400/1600/1900	1500/1700/2000
Dehumidification	l/h	4.3	5.0
Outline dimensions (WxHxD)	mm	840x245x840	840x287x840
Package dimensions (WxHxD)	mm	900x265x900	900x292x900
Net weight/Gross weight	kg	26.5/30.2	28.3/32.5
Part number		7SP042233	7SP042238
FRAME (INCLUDED IN THE INDOOR UNIT)			
Outline dimensions (WxHxD)	mm	950x55x950	950x55x950
Package dimensions (WxHxD)	mm	1035x90x1035	1035x90x1035
Net weight/Gross weight	kg	5/8	5/8
Part number frame 950x950		7ACVF0564	7ACVF0564
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	62	63
Sound power level	dB(A)	72	73
Airflow	m³/h	7200	7500
Compressor type		Scroll	Scroll
Outline dimensions (WxHxD)	mm	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	110/124	111.1/125.4
Part number 3~400V - 50 Hz - N		7SP062848	7SP062849
POWER SUPPLY 3~400V - 50 HZ - N			
Power supply side		Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.0 + 5x2.5	3x1.0 + 5x2.5
Fuse rating am	A	16 + 20	16 + 20
Electrical connections	mm²	3x0.5	3x0.5
PIPE LINE			
Suction pipe diameter	inches	3/4"	3/4"
Liquid pipe diameter	inches	3/8"	3/8"
Max length	m	50	50
Max height	m	25	25

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Cassette	ODU single
<p>CBF</p>	<p>YOF</p>

Floor Ceiling Range

[MODEL NAME]

Page

CONSOLE DUAL FLOW
MONOSPLIT & MULTISPLIT



XAD



66

FLOOR CEILING MONOSPLIT

FBD



68

FLOOR CEILING MONOSPLIT
LOW TEMPERATURE
FOR WINE CELLAR

NEW

FWDB



70

ON/OFF FLOOR CEILING

FCF



72

12 3.5 kW	18 5 kW	24 7 kW	30 8 kW	36 10 kW	48 12.5 kW	60 16 kW
--------------	------------	------------	------------	-------------	---------------	-------------



Floor ceiling



XAD

CONSOLE DUAL FLOW MONO & MULTISPLIT

- Console line available in capacities 3.5 and 4.7 kW.
- Cooling & heating operation mode.
- "I Feel" function with precise room temperature control.

A⁺⁺

PRODUCT ADVANTAGES



- Wide operating temperature -15°C in heating and cooling.
- Airflow direction control, up or down for comfort selection.
- Four air outlet direction.
- Easy for maintenance.



RC08B

RCW8
(optional)

ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Additional accessory required	Function
RCW8	7ACEL1706		Wired single control		Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller (only for size 18)	Module board - 7ACEL1720	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway		Maximum 1024 units could be connected (16 gateway). (For size 18 only).

FEATURES



FLEXY MATCH



DC INVERTER



R410A FLUID



ELECTRONIC EXPANSION VALVE



I FEEL



SLEEP MODE



HOT KEEP



24 H PROGRAMMABLE TIMER



LOW BATTERY INDICATION



RESTART (MEMORY)



REMOTE CONTROL LOCK



DRY CONTACT ON/OFF



OUTDOOR MULTI FAN SPEED



LOW AMBIENT COOLING



LOW AMBIENT HEATING



BMS COMPATIBLE (XAD 18)

XAD TECHNICAL DATA

Indoor units		AWSI-XAD012-N11	AWSI-XAD018-N11
Outdoor units		AWAU-YLD012-H11	AWAU-YLD018-H11
COOLING			
Rated capacity	kW	3.5 (1.1~3.8)	4.7 (1.4~5.4)
Pdesignnc	kW	3.5	4.7
Rated power input	kW	1.09	1.55
SEER/Energy label		6.1/A++	5.6/A+
Operating limits	°C	-15°/50° Dry bulb	
HEATING			
Rated capacity	kW	3.6 (1.1~4.0)	5 (1.4~5.8)
Pdesignnh (average climate)	kW	3.5	5.0
Pdesignnh (warmer climate)	kW	3.5	5.0
Rated power input	kW	0.99	1.38
SCOP/Energy label (average climate)		3.8/A	3.8/A
SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++
Operating limits	°C	-15°/24° Dry bulb	
Capacity @ -10°C	kW	3.1	4.1
Capacity @ -15°C	kW	2.6	3.5
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/40/44	39/42/45
Sound power level	dB(A)	58	60
Airflow (LS/MS/HS/SS)	m³/h	440/560/640/700	560/640/700/740
Dehumidification	l/h	1.5	2.0
Outline dimensions (WxHxD)	mm	700x600x210	700x600x210
Package dimensions (WxHxD)	mm	810x710x305	810x710x305
Net weight/Gross weight	kg	15/20	15/20
Part number		7SP071403	7SP071404
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	52	55
Sound power level	dB(A)	62	65
Airflow	m³/h	2200	2500
Compressor type		Rotary DC Inverter	Rotary DC Inverter
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320
Package dimensions (WxHxD)	mm	887x645x355	965x755x395
Net weight/Gross weight	kg	35.4/37.9	46/50
Part number		7SP062821	7SP062822
POWER SUPPLY 1~230V - 50 HZ			
Power supply side		Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.5	3x1.0+3x2.5
Fuse rating am	A	16	10+16
Electrical connections	mm²	4x1.0	3x0.5
PIPE LINE			
Suction pipe diameter	inches	3/8"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"
Max length	m	20	30
Max height	m	10	20

See dedicated part number for multisplit application in page 76.

AIRWELL SOLUTIONS



IDU	Compatible with ODU	
Console	ODU single	ODU multi
XAD	YLD	YCZ
XAD 18X		YCZ

A⁺⁺

FBD

FLOOR CEILING MONOSPLIT

- Floor ceiling line available in capacities from 5.3 to 15.6 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.
- Available in 3PH from 10 kW.

PRODUCT ADVANTAGES

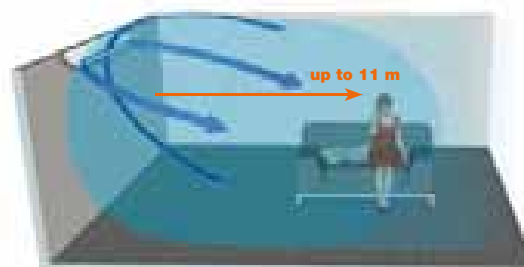
- Operating in ambient temperature, up to -15°C in heating and -15°C in cooling.
- Centralized controller up to 64 units including weekly timer (optional).
- Fresh air intake option.
- 4 dimensional airflow for maximum comfort.







RC08B

RCW8
(optional)RCW6
(optional)

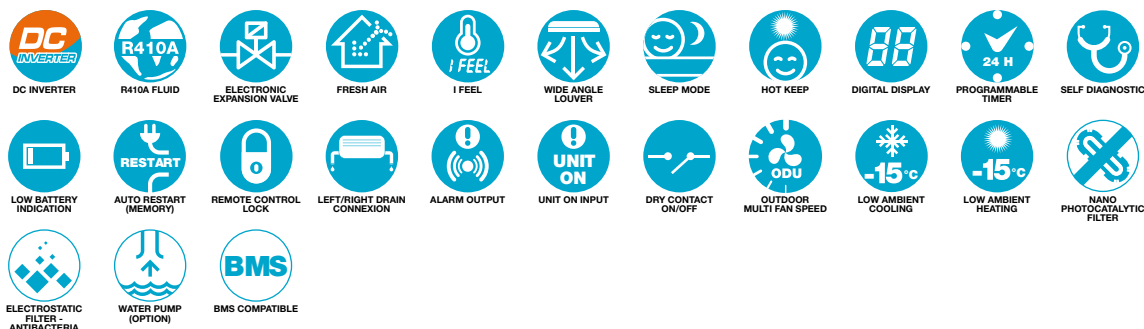
4 DIMENSIONAL AIRFLOWS FOR MAXIMUM COMFORT



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
RCW6	7ACEL1704		Wired single control	Mode, fan speed (except for size 60), real time, timer, temperature, weekly timer, swing and "I Feel".
RCW8	7ACEL1706		Wired single control for FBD 18-48	Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

FEATURES



FBD TECHNICAL DATA

Indoor units		AWSI-FBD018-N11	AWSI-FBD024-N11	AWSI-FBD030-N11	AWSI-FBD036-N11	AWSI-FBD036-N11	AWSI-FBD048-N11	AWSI-FBD060-N11
Outdoor units 1~230V - 50 Hz		AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-	-
Outdoor units 3~400V - 50 Hz - N		-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13	AWAU-YLD060-H13
COOLING								
Rated capacity	kW	5.3 (1.5~6.4)	7.2 (2.0~7.8)	8.5 (2.4~9.6)	10.5 (3.2~11.8)	10.2 (3.2~11.8)	14.0 (4.5~15.2)	15.6 (5.0~17.5)
Pdesignc	kW	5.3	7.2	8.5	10.5	10.2	-	-
Rated power input	kW	1.63	2.24	2.82	3.48	3.39	4.36	4.86
SEER/Energy label		6.1/A++	6.4/A++	6.4/A++	6.0/A+	5.7/A+	3.21/A	3.21/A
Operating limits	°C	-15°/50° Dry bulb						
HEATING								
Rated capacity	kW	5.9 (1.6~7.0)	7.8 (2.0~8.6)	9 (2.4~10.0)	11 (3.2~12.5)	11 (3.2~12.5)	14.6 (4.8~15.8)	17 (5.5~18.6)
Pdesignh (average climate)	kW	5.3	7.8	8.5	10.2	10.0	-	-
Pdesignh (warmer climate)	kW	5.3	7.8	8.5	10.5	10.5	-	-
Rated power input	kW	1.49	2.10	2.42	3.05	3.05	4.04	4.70
SCOP/Energy label (average climate)		3.8/A	3.9/A	3.9/A	3.8/A	3.8/A	3.61/A	3.61/A
SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++	4.6/ A++	4.4/A++	4.4/A++	-	-
Operating limits	°C	-15°/24° Dry bulb						
Capacity @ -10°C	kW	4.3	7	7	8.3	8.5	11.6	12.7
Capacity @ -15°C	kW	3.7	6	6	7.2	7.3	10	11
INDOOR UNIT								
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/41/44	46/50/52	46/50/53	43/49/52	43/49/52	51/54/57	51/54/57
Sound power level	dB(A)	60	63	64	65	65	68	69
Airflow (LS/MS/HS)	m³/h	600/750/900	1100/1250/1400	1450/1650/1850	1500/1850/2200	1500/1850/2200	1700/1900/2300	1700/1900/2300
Dehumidification	l/h	2	2.3	2.5	3.5	3.5	4.5	5.0
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313	1360x755x313	1725x755x313	1725x755x313	1725x755x313	1725x755x313
Net weight/Gross weight	kg	25/31.5	25/30	30/35	40/46	40/46	40/46	43/50
Part number		7SP012225	7SP022998	7SP022999	7SP023000	7SP023000	7SP023001	7SP023002
OUTDOOR UNIT								
Sound pressure level to 1 m	dB(A)	55	57	58	60	60	61	61
Sound power level	dB(A)	65	69	70	70	70	70	70
Airflow	m³/h	2500	3500	3800	5500	5500	7200	7500
Compressor type		Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	46/50	59/63	59/63	73/83	77/88	102.5/116	102.5/116
Part number 1~230V - 50 Hz		7SP062822	7SP062823	7SP062824	7SP062825	-	-	-
Part number 3~400V - 50 Hz - N		-	-	-	-	7SP062826	7SP062827	7SP062828
POWER SUPPLY 1~230V - 50 HZ								
Power supply side		Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor	-	-	-
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-	-
Fuse rating am	A	10+16	10+20	10+30	10+30	-	-	-
Electrical connections	mm²	3x0.5	3x0.5	3x0.5	3x0.5	-	-	-
POWER SUPPLY 3~400V - 50 HZ - N								
Power supply side		-	-	-	-	Indoor & Outdoor	Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	3x0.5	3x0.5	3x0.5
PIPE LINE								
Suction pipe diameter	inches	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	30	50	50	65	65	65	65
Max height	m	20	25	25	30	30	30	30

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Floor ceiling	ODU single
FBD	YLD



NEW

A⁺⁺

FWDB

FLOOR CEILING MONOSPLIT LOW TEMPERATURE FOR WINE CELLAR

- Floor ceiling line available in capacities of 5.3 and 7.2 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- Wired controller included.




RCW6

PRODUCT ADVANTAGES

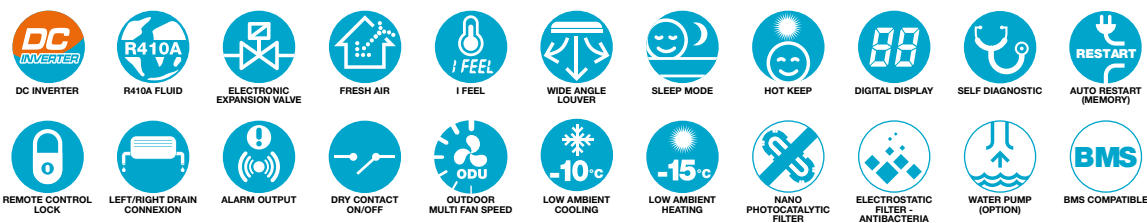
- Minimum ambient temperature **12°C** inside. Operation to **-10°C** outdoor.
- Fuzzy logic to control compressor by outdoor fan and electronic expansion valve in extreme low operation temperature.
- Application for wine cellar, garbage room, preparation rooms...
- Possibility to reverse dry contact: normally open / normally closed.



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

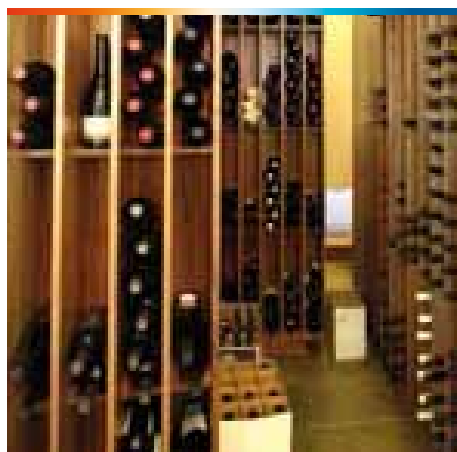
FEATURES





FWDB TECHNICAL DATA

Indoor units		AWSI-FWDB018-N11	AWSI-FWDB024-N11
Outdoor units 1~230V - 50 Hz		AWAU-YLD018-H11	AWAU-YLD024-H11
Outdoor units 3~400V - 50 Hz - N		-	-
COOLING			
Rated capacity	kW	5.3 (1.5~6.4)	7.2 (2.0~7.8)
Pdesignc	kW	5.3	7.2
Rated power input	kW	1.63	2.24
SEER/Energy label		6.1/A++	6.4/A++
Operating limits	°C	-10°/50° Dry bulb	
HEATING			
Rated capacity	kW	5.9 (1.6~7.0)	7.8 (2.0~8.6)
Pdesignh (average climate)	kW	5.3	7.8
Pdesignh (warmer climate)	kW	5.3	7.8
Rated power input	kW	1.49	2.10
SCOP/Energy label (average climate)		3.8/A	3.9/A
SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++
Operating limits	°C	-15°/24° Dry bulb	
Capacity @ -10°C	kW	4.3	7
Capacity @ -15°C	kW	3.7	6
INDOOR UNIT			
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	38/41/44	46/50/52
Sound power level	dB(A)	60	63
Airflow (LS/MS/HS)	m³/h	600/750/900	1100/1250/1400
Dehumidification	l/h	2	2.3
Outline dimensions (WxHxD)	mm	1068x675x235	1068x675x235
Package dimensions (WxHxD)	mm	1145x755x313	1145x755x313
Net weight/Gross weight	kg	25/31.5	25/30
Part number		7SP012227	7SP012228
OUTDOOR UNIT			
Sound pressure level to 1 m	dB(A)	55	57
Sound power level	dB(A)	65	69
Airflow	m³/h	2500	3500
Compressor type		Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	845x700x320	900x860x315
Package dimensions (WxHxD)	mm	965x755x395	1043x915x395
Net weight/Gross weight	kg	46/50	59/63
Part number 1~230V - 50 Hz		7SP062822	7SP062823
POWER SUPPLY 1~230V - 50 HZ			
Power supply side		Indoor & Outdoor	Indoor & Outdoor
Power cable section	mm²	3x1.0+3x2.5	3x1.0+3x2.5
Fuse rating am	A	10+16	10+20
Electrical connections	mm²	3x0.5	3x0.5
PIPE LINE			
Suction pipe diameter	inches	1/2"	5/8"
Liquid pipe diameter	inches	1/4"	3/8"
Max length	m	30	50
Max height	m	20	25

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Floor ceiling	ODU single
FWDB 	YLD 



FCF

ON/OFF FLOOR CEILING

- Floor ceiling line available in capacities of 12.80 and 15.60 kW.
- Cooling and heating operation mode.
- "I Feel" function with precise room temperature control.



RC08B

PRODUCT ADVANTAGES

- 2 directions airflow control.
- Air fresh intake as option.
- Vertical or horizontal installation.

RCW8
(optional)Central controller
(optional)

ACCESSORIES/OPTIONS

Acc.	Ref.	Photo	Description	Function
RCW8	7ACEL1706		Wired single control	Mode, fan speed, timer ON/OFF, temperature, swing and "I Feel".
Central controller	7ACEL1707		Central controller	Control up to 64 indoor units with individual setting failure codes indication, ON-OFF dry contact, last operation memory, Modbus.
BMS	7ACEL1708		BMS gateway	Maximum 1024 units could be connected (16 gateway).

FEATURES



R410A FLUID



I FEEL



WIDE ANGLE LOUVER



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY



PROGRAMMABLE TIMER



SELF DIAGNOSTIC



LOW BATTERY INDICATION



AUTO RESTART (MEMORY)



REMOTE CONTROL LOCK



LEFT/RIGHT DRAIN CONNEXION



ALARM OUTPUT



UNIT ON INPUT



FRESH AIR

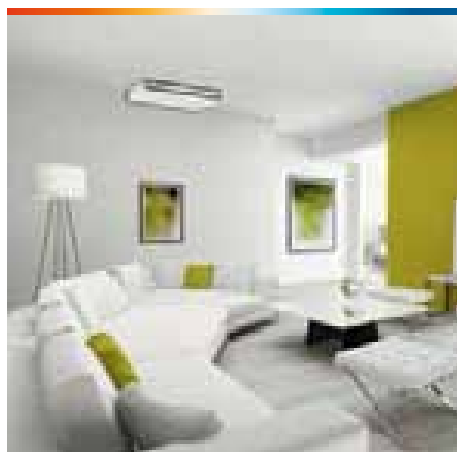




BMS COMPATIBLE





FCF TECHNICAL DATA

Indoor units		AWSI-FCF048-N11		AWSI-FCF060-N11	
Outdoor units 3~400V - 50 Hz - N		AWAU-YOF048-H13		AWAU-YOF060-H13	
COOLING					
Rated capacity	kW	12.8		15.6	
Rated power input	kW	4.7		5.51	
EER/Energy label		2.72/D		2.83/C	
Operating limits	°C	18°/43° Dry bulb			
HEATING					
Rated capacity	kW	14.2		17	
Rated power input	kW	4.89		5.52	
COP/Energy label		2.90/D		3.08/D	
Operating limits	°C	-7°/24° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	50/53/56		51/54/57	
Sound power level	dB(A)	66		67	
Airflow (LS/MS/HS)	m³/h	1650/1800/1950		1700/1900/2300	
Dehumidification	l/h	4.3		5	
Outline dimensions (WxHxD)	mm	1285x675x235		1650x675x235	
Package dimensions (WxHxD)	mm	1360x755x313		1725x755x313	
Net weight/Gross weight	kg	30/35		40/46	
Part number		7SP012213		7SP012218	
OUTDOOR UNIT					
Sound pressure level to 1 m	dB(A)	62		63	
Sound power level	dB(A)	72		73	
Airflow	m³/h	7200		7500	
Compressor type		Scroll		Scroll	
Outline dimensions (WxHxD)	mm	938x1369x392		938x1369x392	
Package dimensions (WxHxD)	mm	1095x1505x495		1095x1505x495	
Net weight/Gross weight	kg	110/124		111.1/125.4	
Part number 3~400V - 50 Hz - N		7SP062848		7SP062849	
POWER SUPPLY 3~400V - 50 HZ - N					
Power supply side		Indoor & Outdoor		Indoor & Outdoor	
Power cable section	mm²	3x1.0+5x2.5		3x1.0+5x2.5	
Fuse rating am	A	16 + 20		16 + 20	
Electrical connections	mm²	3x0.5		3x0.5	
PIPE LINE					
Suction pipe diameter	inches	3/4"		3/4"	
Liquid pipe diameter	inches	3/8"		3/8"	
Max length	m	50		50	
Max height	m	25		25	


AIRWELL SOLUTIONS



IDU	Compatible with ODU
Floor ceiling	ODU single
FCF 	YOF 

[MODEL NAME]		kW	Btu/h	Max. num. of indoors	Page
RESIDENTIAL LINE	YCZ2-18 	5.2	18 000	2	76 & 78
	YCZ3-27 	7.8	26 500	3	76 & 78
	YCZ4-30 	8.2	30 000	4	76 & 79
	YCZ5-36 	10.5	36 000	5	76 & 80

Multisplit DCI Range Combination Table

[MODEL NAME]		kW	Btu/h	Max. num. of indoors	Page
RESIDENTIAL LINE	YBZE2-18 	5	18 000	2	82 & 84
	YBZE3-24 	7.1	24 000	3	82 & 84

【 RESIDENTIAL INDOOR UNITS 】

**High wall
HKD 09/12/18**



**High wall
HND 09/12/18**



**Console
XAD 12/18X**



**Cassette
CBD 12/18X**



**Ducted medium static
pressure DCD 12**



【 RESIDENTIAL INDOOR UNIT 】

High wall HOD 09/12/18





YCZ

RESIDENTIAL MULTISPLIT DUO/TRIO/QUATTRO/CINCO

- Multi line available in four capacities from 5.2 up to 10.5 kW.
- DC Inverter and sine wave compressor drive technology.
- Match with high wall, ducted, cassette and console indoor units.

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18HIGH WALL
HND 9/12/18CONSOLE
XAD 12/18XCASSETTE
CBD 12/18XDUCTED MEDIUM STATIC
PRESSURE DCD 12

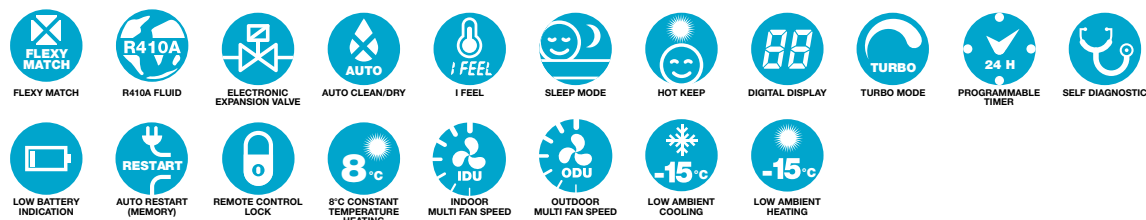
PRODUCT ADVANTAGES

- Same indoor for multi and single application (except for XAD018X and CBD018X).
- Option to connect limited indoor units (total capacity >100% of rated capacity) and extend after installation.
- Design for long tubing distance installation.

Sizes	HKD	HND	XAD	CBD	DCD
9	AWSI-HKD009-N11 7SP022990	AWSI-HND009-N11 7SP022994	-	-	-
12	AWSI-HKD012-N11 7SP022991	AWSI-HND012-N11 7SP022995	AWSI-XAD012-N11 7SP071403	AWSI-CBD012-N11 7SP042243	AWSI-DCD012-N11 7SP032158
18	AWSI-HKD018-N11 7SP022992	AWSI-HND018-N11 7SP022996	AWSI-XAD018X-N11 7SP071405X *	AWSI-CBD018X-N11 7SP042239X *	-

* Dedicated part number for multisplit application.

FEATURES

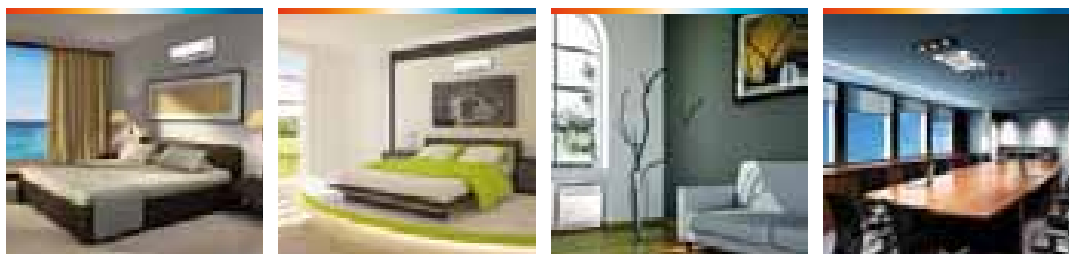


YCZ TECHNICAL DATA

Outdoor units			AWAU-YCZ218-H11	AWAU-YCZ327-H11	AWAU-YCZ430-H11	AWAU-YCZ536-H11
OUTDOOR UNIT						
Cooling	Rated capacity	kW	5.2	7.8	8.5	10.5
	Pdesignnc	kW	5.2	7.8	8.5	10.5
	Rated power input	kW	1.62	2.43	2.65	3.27
	SEER/Energy label		6.1/A++ *	6.6/A++ *	6.6/A++ *	5.6/A+
	Operating limits	°C	-15°/50° Dry bulb			
Heating	Rated capacity	kW	6.0	8.5	9.0	11.5
	Pdesignnh (average climate)	kW	5.9	8.0	8.2	10.5
	Pdesignnh (warmer climate)	kW	6.0	8.0	8.2	10.5
	Rated power input	kW	1.66	2.31	2.36	3.18
	SCOP/Energy label (average climate)		4.1/A+	3.9/A	3.9/A	3.8/A
	SCOP/Energy label (warmer climate)		4.8/A++	4.6/A++	4.6/A++	4.4/A++
	Operating limits	°C	-15°/24° Dry bulb			
	Capacity @ -10C	kW	4.5	6.5	6.6	8.4
	Capacity @ -15C	kW	4	5.7	5.8	7.2
Sound pressure level to 1 m		dB(A)	55	58	58	60
Sound power level		dB(A)	65	68	70	70
Airflow		m³/h	2500	3500	3800	5500
Compressor type			Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter	Twin Rotary DC Inverter
Outline dimensions (WxHxD)		mm	845x700x320	900x860x315	900x860x315	990x965x345
Package dimensions (WxHxD)		mm	965x755x395	1043x915x395	1043x915x395	1120x1100x435
Net weight/Gross weight		kg	48/52	62/67	65/69	80/91
Part number			7SP091166	7SP091167	7SP091168	7SP091169
POWER SUPPLY 1~230V - 50 HZ						
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Power cable section		mm²	3x2.5	3x2.5	3x2.5	3x4.0
Fuse rating am		A	25	25	25	32
Electrical connections		mm²	2 (4x1.0)	3 (4x1.0)	4 (4x1.0)	5 (4x1.0)
PIPE LINE						
Suction pipe diameter		inches	2x3/8"	3x3/8"	4x3/8"	5x3/8"
Liquid pipe diameter		inches	2x1/4"	3x1/4"	4x1/4"	5x1/4"
Max length		m	30	45	60	75
Max length per circuit		m	20	25	30	30
Max height between indoor and outdoor units	ODU higher than IDU	m	10	10	10	10
	ODU lower than IDU	m	15	15	15	15
Max height between indoor units		m	10	10	10	10

* A++ for HND 9 x 2 / HND 9 x 3 / HND 9 x 4 / HKD 9 x 3 combinations.

AIRWELL SOLUTIONS





YCZ2-18

RESIDENTIAL MULTISPLIT DUO

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18HIGH WALL
HND 9/12/18CONSOLE
XAD 12/18XCASSETTE
CBD 12/18XDUCTED MEDIUM STATIC
PRESSURE DCD 12

CAPACITY COMBINATION

Indoor units combinations	COOLING									HEATING								
	Rated capacity (kW)		Total capacity (kW)			Total input power (kW)			EER rated capacity	Rated capacity (kW)		Total capacity (kW)			Total input power (kW)			COP rated capacity
	Unit A	Unit B	min.	rated	max.	min.	rated	max.		Unit A	Unit B	min.	rated	max.	min.	rated	max.	
9+9	2.60	2.60	3.64	5.20	6.20	0.84	1.62	2.09	3.21	3.00	3.00	4.20	6.00	6.50	0.77	1.66	1.81	3.62
9+12	2.50	3.20	3.99	5.70	6.20	0.97	1.76	2.09	3.23	2.70	3.50	4.34	6.20	6.50	0.93	1.71	1.81	3.62
9+18	2.00	4.30	4.41	6.30	6.70	1.12	1.96	2.15	3.21	2.00	4.40	4.48	6.40	6.80	0.99	1.77	1.89	3.61
12+12	3.10	3.10	4.34	6.20	6.70	1.10	1.93	2.15	3.21	3.20	3.20	4.48	6.40	6.80	0.99	1.77	1.89	3.61

Based on wall mounted combination



YCZ3-27

RESIDENTIAL MULTISPLIT TRIO

COMPATIBLE WITH

HIGH WALL
HKD 9/12/18HIGH WALL
HND 9/12/18CONSOLE
XAD 12/18XCASSETTE
CBD 12/18XDUCTED MEDIUM STATIC
PRESSURE DCD 12

CAPACITY COMBINATION

Indoor units combinations	COOLING										HEATING									
	Rated capacity (kW)			Total capacity (kW)			Total input power (kW)			EER rated capacity	Rated capacity (kW)			Total capacity (kW)			Total input power (kW)			COP rated capacity
	Unit A	Unit B	Unit C	min.	rated	max.	min.	rated	max.		Unit A	Unit B	Unit C	min.	rated	max.	min.	rated	max.	
9+18	2.60	5.20	-	5.46	7.80	9.44	1.45	2.42	3.05	3.22	2.88	5.87	-	5.94	8.75	10.59	1.45	2.41	3.04	3.63
12+18	3.20	4.80	-	5.95	8.00	9.68	1.49	2.48	3.12	3.23	3.45	3.45	-	6.09	6.90	8.35	1.15	1.91	2.41	3.61
18+18	4.60	4.60	-	6.44	9.20	10.86	1.71	2.85	3.53	3.23	3.39	5.61	-	7.00	9.00	10.62	1.49	2.49	3.08	3.62
9+9+9	2.60	2.60	2.60	5.46	7.80	8.81	1.41	2.43	3.01	3.21	2.83	2.83	2.83	5.94	8.49	9.59	1.51	2.31	2.86	3.68
9+9+12	2.50	2.50	3.50	5.95	8.50	9.61	1.60	2.62	3.24	3.25	2.60	2.60	3.50	6.09	8.70	9.83	1.53	2.37	2.94	3.67
9+9+18	2.30	2.30	4.60	6.44	9.20	10.40	1.73	2.84	3.46	3.24	2.50	2.50	5.00	7.00	10.00	11.30	1.79	2.75	3.35	3.64
9+12+12	2.50	3.50	3.50	6.65	9.50	10.74	1.90	2.94	3.59	3.23	2.50	3.50	3.50	6.65	9.50	10.74	1.71	2.61	3.18	3.64
9+12+18	2.10	3.20	4.50	6.86	9.80	11.07	1.96	3.04	3.71	3.22	2.30	3.20	5.00	7.35	10.50	11.87	1.88	2.90	3.54	3.62
12+12+12	2.90	2.90	2.90	6.09	8.70	9.83	1.63	2.70	3.30	3.22	3.30	3.30	3.30	6.93	9.90	11.19	1.78	2.72	3.32	3.64

Based on wall mounted combination



YCZ4-30

RESIDENTIAL MULTISPLIT QUATTRO

COMPATIBLE
WITH

HIGH WALL
HKD 9/12/18



HIGH WALL
HND 9/12/18



CONSOLE
XAD 12/18X



CASSETTE
CBD 12/18X



DUCTED MEDIUM STATIC
PRESSURE DCD 12



CAPACITY COMBINATION

Indoor units combinations	COOLING											HEATING										
	Rated capacity (kW)				Total capacity (kW)			Total input power (kW)			EER	Rated capacity (kW)				Total capacity (kW)			Total input power (kW)			COP
	Unit A	Unit B	Unit C	Unit D	min.	rated	max.	min.	rated	max.	rated capacity	Unit A	Unit B	Unit C	Unit D	min.	rated	max.	min.	rated	max.	rated capacity
9+18	2.59	5.29	-	-	3.31	7.88	9.61	1.02	2.56	3.45	3.08	2.77	5.65	-	-	3.54	8.42	10.27	0.93	2.32	3.11	3.63
12+18	3.06	5.06	-	-	3.41	8.12	9.91	1.04	2.60	3.51	3.12	3.15	5.21	-	-	3.51	8.36	10.20	0.92	2.29	3.07	3.65
18+18	4.51	4.51	-	-	3.79	9.02	11.00	1.16	2.89	3.90	3.12	4.41	4.41	-	-	3.70	8.82	10.76	0.97	2.44	3.26	3.62
9+9+9	2.63	2.63	2.63	-	3.31	7.88	9.61	1.00	2.50	3.38	3.15	2.84	2.84	2.84	-	3.58	8.52	10.39	0.91	2.28	3.06	3.73
9+9+12	2.51	2.51	3.09	-	3.41	8.12	9.91	1.03	2.57	3.47	3.16	2.74	2.74	3.38	-	3.72	8.86	10.81	0.94	2.36	3.16	3.76
9+9+18	2.23	2.23	4.55	-	3.79	9.02	11.00	1.12	2.81	3.79	3.21	2.46	2.46	5.01	-	4.17	9.92	12.10	1.07	2.67	3.58	3.71
9+12+12	2.50	3.08	3.08	-	3.63	8.65	10.55	1.07	2.69	3.63	3.22	2.71	3.34	3.34	-	3.94	9.38	11.44	1.00	2.50	3.35	3.75
9+12+18	2.13	2.62	4.34	-	3.82	9.09	11.09	1.13	2.82	3.81	3.22	2.36	2.91	4.81	-	4.23	10.08	12.30	1.08	2.71	3.63	3.72
12+12+12	2.95	2.95	2.95	-	3.72	8.85	10.80	1.10	2.76	3.72	3.21	3.25	3.25	3.25	-	4.10	9.76	11.91	1.03	2.58	3.46	3.78
9+9+9+9	2.13	2.13	2.13	2.13	3.49	8.52	10.39	1.06	2.65	3.57	3.22	2.25	2.25	2.25	2.25	3.69	9.00	10.98	0.94	2.36	3.17	3.81
9+9+9+12	2.11	2.11	2.11	2.60	3.67	8.94	10.91	1.10	2.75	3.71	3.25	2.25	2.25	2.25	2.78	3.91	9.54	11.64	1.01	2.52	3.38	3.78

Based on wall mounted combination



YCZ5-36

RESIDENTIAL MULTISPLIT CINCO

COMPATIBLE
WITHHIGH WALL
HKD 9/12/18HIGH WALL
HND 9/12/18CONSOLE
XAD 12/18XCASSETTE
CBD 12/18XDUCTED MEDIUM STATIC
PRESSURE DCD 12

CAPACITY COMBINATION

Indoor units combinations	COOLING												HEATING											
	Rated capacity (kW)					Total cooling capacity (kW)			Total Input power (kW)			EER	Rated capacity (kW)					Total heating capacity (kW)			Total Input power (kW)			COP
	Unit A	Unit B	Unit C	Unit D	Unit E	min.	rated	max.	min.	rated	max.	rated capacity	Unit A	Unit B	Unit C	Unit D	Unit E	min.	rated	max.	min.	rated	max.	rated capacity
18+18	5.26	5.26	-	-	-	4.31	10.52	12.73	1.47	3.42	4.30	3.08	5.55	5.55	-	-	-	4.66	11.10	13.65	1.35	3.32	4.23	3.34
9+9+18	2.82	2.82	5.11	-	-	4.00	10.75	11.80	1.35	3.49	3.96	3.08	2.75	2.75	5.60	-	-	4.66	11.10	13.65	1.35	3.32	4.23	3.34
9+12+12	2.82	3.47	3.47	-	-	4.31	9.75	12.71	1.45	3.17	4.25	3.08	3.13	3.86	3.86	-	-	4.56	10.85	13.35	1.35	3.23	4.23	3.36
9+12+18	2.46	3.03	5.01	-	-	4.31	10.50	12.71	1.44	3.40	4.22	3.09	2.67	3.28	5.43	-	-	4.78	11.38	13.65	1.39	3.40	4.34	3.35
9+18+18	2.31	4.72	4.72	-	-	4.62	11.75	13.65	1.54	3.63	4.50	3.24	2.33	4.75	4.75	-	-	4.97	11.84	13.65	1.47	3.52	4.58	3.36
12+12+12	3.25	3.25	3.25	-	-	3.37	9.75	12.71	1.17	3.13	3.42	3.12	3.62	3.62	3.62	-	-	4.56	10.85	13.35	1.35	3.18	4.23	3.41
12+12+18	3.09	3.09	5.11	-	-	4.82	11.28	13.80	1.59	3.59	4.65	3.14	3.11	3.11	5.16	-	-	4.78	11.38	13.65	1.40	3.33	4.38	3.42
12+18+18	2.72	4.51	4.51	-	-	4.82	11.75	13.80	1.60	3.77	4.68	3.12	2.79	4.62	4.62	-	-	5.06	12.04	13.65	1.48	3.58	4.63	3.36
18+18+18	4.10	4.10	4.10	-	-	5.05	12.31	13.80	1.66	3.91	4.85	3.15	4.47	4.47	2.53	-	-	5.64	11.48	13.65	1.65	3.42	5.16	3.36
9+9+9+9	2.55	2.55	2.55	2.55	-	4.31	10.20	12.81	1.35	3.24	4.21	3.15	1.86	1.86	2.98	4.93	-	4.88	11.63	11.23	1.36	3.36	4.14	3.46
9+9+9+12	2.48	2.48	2.48	3.05	-	4.31	10.50	12.81	1.41	3.33	4.11	3.15	2.27	2.94	2.94	2.94	-	4.66	11.10	11.22	1.33	3.19	4.04	3.48
9+9+9+18	2.29	2.29	2.29	4.66	-	4.72	11.52	13.82	1.57	3.65	4.56	3.16	2.64	2.64	2.64	3.25	-	4.69	11.16	11.37	1.29	3.21	3.95	3.48
9+9+12+12	2.51	2.51	3.09	3.09	-	4.59	11.20	13.44	1.53	3.57	4.45	3.14	2.03	2.64	3.25	3.25	-	4.69	11.16	11.96	1.34	3.26	4.10	3.42
9+9+12+18	2.38	2.38	2.93	4.86	-	5.15	12.56	13.80	1.69	3.97	4.90	3.16	2.50	2.50	3.08	3.08	-	4.69	11.16	12.84	1.28	3.14	3.91	3.55
9+12+12+12	2.46	3.02	3.02	3.02	-	5.65	13.78	13.80	1.87	4.40	5.42	3.13	1.74	2.27	4.62	4.62	-	5.57	13.25	13.43	1.60	3.86	4.87	3.43
9+12+12+18	2.41	2.96	2.96	4.91	-	4.72	11.52	13.82	1.57	3.66	4.56	3.15	2.30	2.30	2.84	4.70	-	5.10	12.14	13.65	1.43	3.51	4.37	3.46
9+9+18+18	2.27	2.27	4.62	4.62	-	5.43	13.24	13.80	1.78	4.19	5.16	3.16	2.85	2.85	2.85	4.71	-	5.57	13.25	13.65	1.57	3.81	4.78	3.48
12+12+12+12	2.96	2.96	2.96	2.96	-	4.85	11.82	13.80	1.60	3.68	4.65	3.21	1.74	2.78	4.61	4.61	-	5.77	13.74	12.54	1.66	3.81	5.05	3.61
12+12+12+18	2.84	2.84	2.84	4.71	-	5.43	13.24	13.80	1.77	4.12	5.14	3.21	2.48	3.05	3.05	3.05	-	4.88	11.63	13.65	1.36	3.21	4.15	3.62
9+9+9+9+9	2.10	2.10	2.10	2.10	2.10	4.87	10.50	12.92	1.62	3.27	4.70	3.21	2.30	2.30	2.30	2.30	2.30	6.16	11.50	13.65	1.71	3.13	5.23	3.67
9+9+9+9+12	2.10	2.10	2.10	2.10	2.80	4.73	11.20	13.06	1.57	3.47	4.57	3.23	2.30	2.30	2.30	2.30	3.00	5.38	12.20	13.65	1.46	3.34	4.46	3.65
9+9+9+9+18	2.00	2.00	2.00	2.00	4.20	5.13	12.20	13.31	1.72	3.80	5.01	3.21	2.10	2.10	2.10	2.10	4.50	6.16	12.90	13.65	1.70	3.57	5.18	3.61
9+9+9+12+12	2.10	2.10	2.10	2.80	2.80	5.55	11.90	13.80	1.85	3.71	5.36	3.21	2.20	2.20	2.20	2.90	2.90	5.89	12.40	13.65	1.62	3.43	4.95	3.62
9+9+9+12+18	2.17	2.17	2.17	2.70	4.40	5.59	13.62	13.80	1.90	4.31	5.52	3.16	2.20	2.20	2.20	2.80	4.70	6.16	14.10	13.65	1.67	3.91	5.10	3.61
9+9+12+12+12	2.10	2.10	2.70	2.70	2.70	5.13	12.31	13.31	1.72	3.83	4.98	3.21	2.20	2.20	2.80	2.80	2.80	5.04	12.80	13.65	1.36	3.53	4.15	3.63
9+12+12+12+12	2.05	2.60	2.60	2.60	2.60	5.47	12.45	13.80	1.84	3.92	5.34	3.18	2.10	2.75	2.75	2.75	2.75	5.83	13.10	13.65	1.59	3.70	4.86	3.54
12+12+12+12+12	2.50	2.50	2.50	2.50	2.50	5.59	12.50	13.80	1.90	3.96	5.52	3.16	2.70	2.70	2.70	2.70	2.70	6.16	13.50	13.65	1.72	3.87	5.24	3.49

Based on wall mounted combination



YBZE

HIGH WALL RESIDENTIAL MULTISPLIT DUO/TRIO

- Multi line available in 3 capacities from 5 up to 7.1 kW.
- DC Inverter and sine wave compressor drive technology.
- Apply with high wall line.

COMPATIBLE
WITH

HIGH WALL HOD 9/12/18



PRODUCT ADVANTAGES

- A/A class efficiency. Minimum energy consumption.
- Rapid operation in cooling and heating mode.
- Advance logic for precise temperature control.

FEATURES



A/A CLASS
EFFICIENCY



DC INVERTER



SINE WAVE
COMPRESSOR DRIVE



LOW VOLTAGE
STARTUP



LOW TEMPERATURE
STARTUP



R410A FLUID



ELECTRONIC
EXPANSION VALVE



NANO
PHOTOCATALYTIC
FILTER



ELECTROSTATIC
FILTER -
ANTIBACTERIA



AUTO CLEAN/DRY



I FEEL



WIDE ANGLE
LOUVER



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY



TURBO MODE



SELF DIAGNOSTIC



LOW BATTERY
INDICATION



AUTO RESTART
(MEMORY)



REMOTE CONTROL
LOCK



ADVANCED DEFROST



TECHNICIAN TEST
MODE



LOW AMBIENT
HEATING

YBZE TECHNICAL DATA

Outdoor units			AWAU-YBZE218-H11	AWAU-YBZE324-H11
COOLING				
Rated capacity	kW	5.0 (2.05-6.2)		7.1 (2.2-10)
Pdesignc	kW	5.0		7.1
Rated power input	kW	1.55		2.25
SEER/Energy label		6.3/A++		5.1/A
Operating limits	°C	-15°/48° Dry bulb		
HEATING				
Rated capacity	kW	5.6 (2.5-6.65)		8.5 (3.6-11)
Pdesignh (average climate)	kW	4.8		7.0
Pdesignh (warmer climate)	kW	5		8
Rated power input	kW	1.55		2.35
SCOP/Energy label (average climate)		4.0/A		3.8/A
SCOP/Energy label (warmer climate)		4.8/A++		4.6/A++
Operating limits	°C	-15°/24° Dry bulb		
Capacity @ -10°C	kW	4.0		6.3
Capacity @ -15°C	kW	3.4		5.8
OUTDOOR UNIT				
Sound pressure level to 1 m	dB(A)	53		58
Sound power level	dB(A)	63		68
Airflow	m³/h	3200		4000
Compressor type		Twin Rotary DC Inverter		Twin Rotary DC Inverter
Outline dimensions (WxHxD)	mm	963x700x396		1001x790x427
Package dimensions (WxHxD)	mm	1029x750x458		1083x855x488
Net weight/Gross weight	kg	50/55		64/70
Part number		7SP091158		7SP091159
POWER SUPPLY 1~230V - 50 HZ				
Power supply side		Outdoor		Outdoor
Power cable section	mm²	3x2.5		3x2.5
Fuse rating am	A	25		32
Electrical connections	mm²	2x (4x1.0)		3x (4x1.0)
PIPE LINE				
Suction pipe diameter	inches	2x3/8"		3x3/8"
Liquid pipe diameter	inches	2x1/4"		3x1/4"
Max length	m	20		70
Max length per circuit	m	10		20
Max height between indoor and outdoor units	m	10		10
Max height between indoor units	m	10		10

AIRWELL SOLUTIONS





YBZE2-18

RESIDENTIAL MULTISPLIT DUO

COMPATIBLE
WITH

HIGH WALL HOD 9/12/18



CAPACITY COMBINATION

Indoor units combinations	COOLING									HEATING								
	Capacity (kW)					Power input (kW)			EER	Capacity (kW)					Power input (kW)			COP
	A	B	Nominal	Min	Max	Nominal	Min	Max		A	B	Nominal	Min	Max	Nominal	Min	Max	
9	2.60	-	2.60	1.50	3.50	0.85	0.50	2.00	3.06	3.20	-	3.20	1.60	4.50	1.10	0.55	2.00	2.91
12	3.50	-	3.50	2.00	4.40	1.10	0.50	2.00	3.18	3.80	-	3.80	1.80	4.80	1.15	0.55	2.00	3.30
9+9	2.50	2.50	5.00	2.05	6.20	1.55	0.50	2.55	3.23	2.80	2.80	5.60	2.50	6.65	1.55	0.58	2.70	3.61
9+12	2.14	2.86	5.00	2.15	6.30	1.55	0.50	2.55	3.23	2.40	3.20	5.60	2.50	6.75	1.55	0.58	2.70	3.61
12+12	2.50	2.50	5.00	2.15	6.30	1.55	0.50	2.55	3.23	2.80	2.80	5.60	2.50	6.75	1.55	0.58	2.70	3.61

Based on wall mounted combination



YBZE3-24

RESIDENTIAL MULTISPLIT TRIO

COMPATIBLE
WITH

HIGH WALL HOD 9/12/18



CAPACITY COMBINATION

Indoor units combinations	COOLING										HEATING									
	Capacity (kW)						Power input (kW)			EER	Capacity (kW)						Power input (kW)			COP
	A	B	C	Nominal	Min	Max	Nominal	Min	Max		A	B	C	Nominal	Min	Max	Nominal	Min	Max	
9+9	2.60	2.60	-	5.20	2.00	7.80	1.55	0.60	4.20	3.35	3.20	3.20	-	6.40	3.20	8.50	2.05	0.90	3.95	3.12
9+12	2.61	3.49	-	6.10	2.10	8.00	2.00	0.70	4.30	3.05	3.09	4.11	-	7.20	3.50	9.30	2.25	0.90	4.40	3.20
9+18	2.33	4.67	-	7.00	2.25	9.20	2.18	0.80	4.40	3.21	2.57	5.13	-	7.70	3.70	9.90	2.40	0.90	4.40	3.21
12+12	3.50	3.50	-	7.00	2.20	8.20	2.18	0.75	4.30	3.21	3.85	3.85	-	7.70	3.50	9.50	2.26	0.90	4.40	3.41
12+18	2.80	4.20	-	7.00	2.30	9.50	2.18	0.80	4.40	3.21	3.12	4.68	-	7.80	3.80	11.00	2.40	0.90	4.40	3.25
9+9+9	2.37	2.37	2.37	7.10	2.20	10.00	2.20	0.65	4.60	3.23	2.83	2.83	2.83	8.50	3.60	11.00	2.40	0.85	4.00	3.54
9+9+12	2.13	2.13	2.84	7.10	2.20	10.00	2.20	0.65	4.60	3.23	2.57	2.57	3.42	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+9+18	1.78	1.78	3.55	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.14	2.14	4.28	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+12+12	1.94	2.58	2.58	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.33	3.11	3.11	8.55	3.80	11.00	2.40	0.85	4.00	3.56
9+12+18	1.64	2.18	3.28	7.10	2.20	10.00	2.20	0.65	4.65	3.23	1.97	2.63	3.95	8.55	3.80	11.00	2.40	0.85	4.00	3.56
12+12+12	2.37	2.37	2.37	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.85	2.85	2.85	8.55	3.80	11.00	2.40	0.85	4.00	3.56
12+12+18	2.03	2.03	3.04	7.10	2.20	10.00	2.20	0.65	4.65	3.23	2.44	2.44	3.66	8.55	3.80	11.00	2.40	0.85	4.00	3.56

Based on wall mounted combination

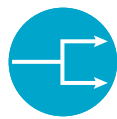


Unique
solutions

Twin application



Twin application

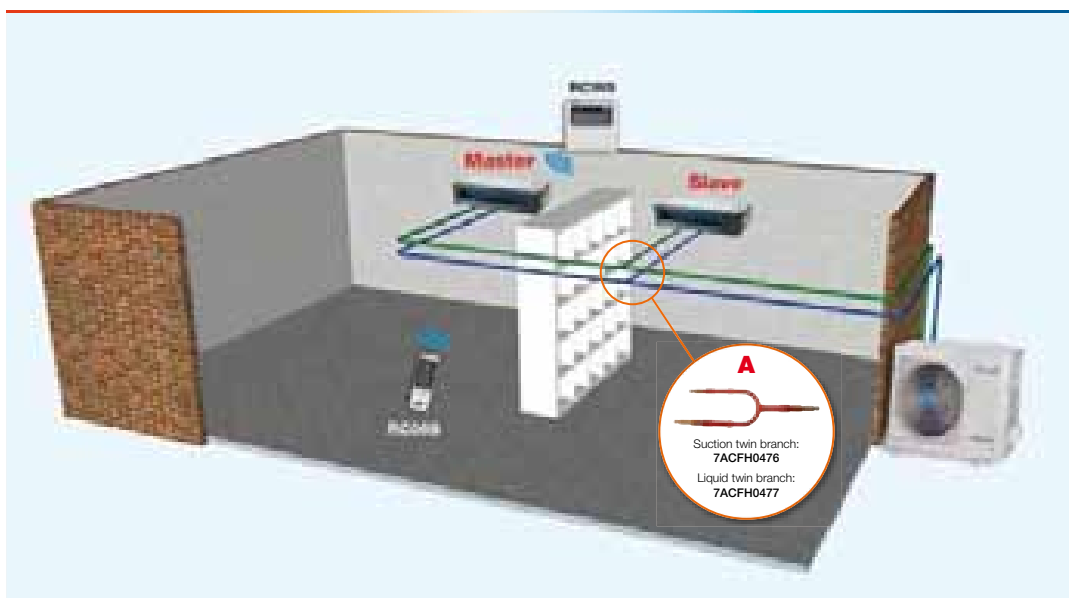


TWIN APPLICATION

The twin application is used mainly in big open space once the space area is controlling by one controller only for 2 units. Airwell twin design allows to connect two similar indoor units to one common outdoor unit. The two indoor units working in the same function and set up once one indoor unit use as a master.

The most economical solution for single-area spaces:

- Simple installation by having one refrigerant and control system.
- Space saving by using one outdoor unit instead of two.
- Low cost installation.
- Simple control, one control station for big space.
- Option to control by wireless or wired controller.
- Ducted or cassette application.



- Twin application with ducted DCD, see page 44.
- Twin application with cassette CBD, see page 56.

Monobloc & Floor Standing Range

[MODEL NAME]

Page

ON/OFF PORTABLE

MAF



90

WINDOW

NEW



WFD



91

ON/OFF FLOOR STANDING

SBF



92

9
2.5 kW

12
3.5 kW

48
12.5 kW



**Monobloc &
Floor standing**



MAF

ON/OFF PORTABLE

- Portable line available in capacities 2.64 and 3.52 kW.
- Cooling only operation mode.



RC08B

PRODUCT ADVANTAGES

- 0.5 W in standby mode.
- Installation kit for window and wall as standard.
- Manual control integrated.
- Wireless remote control provided as standard.
- Self evaporative system.

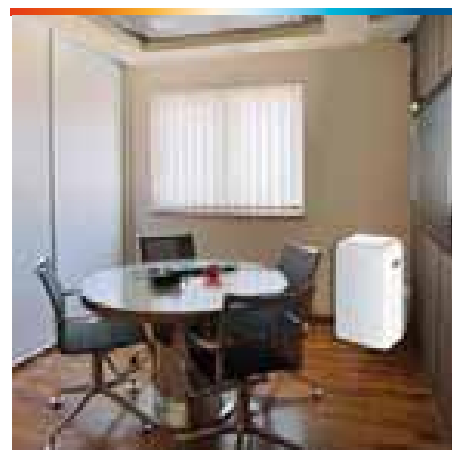
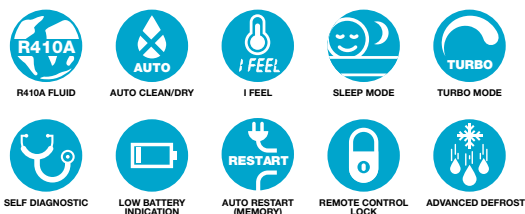


MAF TECHNICAL DATA

Indoor units			AWPO-MAF009-C11	AWPO-MAF012-C11
COOLING				
Rated capacity	kW	2.64		3.52
Rated power input	kW	1.01		1.35
EER/Energy label		2.61/A		2.61/A
Operating limits	°C	17°/35° Dry bulb		
INDOOR UNIT				
Type		Monobloc		Monobloc
Sound Pressure level (LS/MS/HS)	dB(A)	46/49/52		46/49/52
Sound Power Level	dB(A)	65		65
Airflow	m³/h	370		370
Dehumidification	l/h	1.6		1.8
Outline dimensions (WxHxD)	mm	467x765x397		467x765x397
Package dimensions (WxHxD)	mm	517x880x437		517x880x437
Net weight/Gross weight	kg	30/34		33.5/37
Part number		7MB021056		7MB021057

AIRWELL SOLUTIONS

FEATURES





WFD WINDOW

- Window line available in capacities 2.75 and 3.7 kW.
- Based on Inverter technology.
- Cooling operation mode.
- Side air return.

PRODUCT ADVANTAGES

- **ECO DCI Window.**
- **New and refrigerant R32 environmental friendly.**
- Unique design that can reach the ECO design requirements and 1W in standby.
- Design and working with R-32 that is one of the lowest Global Warming Potential (GWP).
- High efficiency that can reach SEER over 5.0.
- Bi operation methods, on unit or by remote control.



WFD RC

WFD TECHNICAL DATA

Indoor units		AWWR-WFD009-C11		AWWR-WFD012-C11	
COOLING					
Rated capacity	kW	2.75		3.7	
Pdesignnc	kW	2.75		3.7	
Rated power input	kW	0.81		1.09	
SEER/Energy label		5.10/A		5.10/A	
Operating limits	°C	18°/ 43° Dry bulb			
INDOOR UNIT					
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	45/47/49		45/47/49	
Airflow (LS/MS/HS)	m³/h	310/350/380		400/450/490	
Dehumidification	l/h	1.0		1.2	
Compressor type		Rotary		Rotary	
Outline dimensions (WxHxD)	mm	560x375x710		660x428x700	
Package dimensions (WxHxD)	mm	623x425x806		739x515x793	
Net weight/Gross weight	kg	34/36.7		46/50	
Part number		7WT010008		7WT010009	
POWER SUPPLY 1~230V - 50 HZ					
Power supply side		Indoor		Indoor	
Power cable section	mm²	3x1.0		3x1.5	
Fuse rating am	A	10		10	

FEATURES



AIRWELL SOLUTIONS





SBF

ON/OFF FLOOR STANDING

- Floor standing available in 12.4 kW capacity.
- Cooling & heating operation mode.
- "I Feel" function with precise room temperature control.



RC08B

[PRODUCT ADVANTAGES]

- Low ambient cooling operation up to -7°C as a standard.
- Modern design & digital display.
- Auxiliary electrical heater 3.5 kW.



FEATURES



R410A FLUID



SLEEP MODE



HOT KEEP



DIGITAL DISPLAY

PROGRAMMABLE
TIMER

SELF DIAGNOSTIC

LOW BATTERY
INDICATIONAUTO RESTART
(MEMORY)REMOTE CONTROL
LOCK

AUXILIARY HEATER

LOW AMBIENT
COOLING



FRESH AIR

SBF TECHNICAL DATA

Indoor unit		AWSI-SBF048-N11
Outdoor unit		AWAU-YSF048-H13
COOLING		
Rated capacity	kW	12.4
Rated capacity of auxiliary heater	kW	3.50
Rated power input	kW	4.62
EER/Energy label		2.68/D
Operating limits	°C	-7°/43° Dry bulb
HEATING		
Rated capacity	kW	13.6 (+3.5)
Rated power input	kW	4.84 (+3.5)
COP/Energy label		2.81/D
Operating limits	°C	-7°/24° Dry bulb
INDOOR UNIT		
Sound pressure level to 1 m (LS/HS)	dB(A)	48/56
Sound power level	dB(A)	66
Airflow (LS/HS)	m³/h	1500/1850
Dehumidification	l/h	4.6
Outline dimensions (WxHxD)	mm	550x1800x350
Package dimensions (WxHxD)	mm	685x1910x540
Net weight/Gross weight	kg	48/63.3
Part number		7SP011084
OUTDOOR UNIT		
Sound pressure level to 1 m	dB(A)	61
Sound power level	dB(A)	71
Airflow	m³/h	5600
Compressor type		Scroll
Outline dimensions (WxHxD)	mm	938x1369x392
Package dimensions (WxHxD)	mm	1095x1505x495
Net weight/Gross weight	kg	111/123.4
Part number		7SP062850
POWER SUPPLY 3~400V - 50 HZ - N		
Power supply side		Outdoor
Power cable section	mm²	5x2.5
Fuse rating am	A	25
Electrical connections	mm²	6x1.5
PIPE LINE		
Suction pipe diameter	inches	3/4"
Liquid pipe diameter	inches	1/2"
Max length	m	20
Max height	m	10

AIRWELL SOLUTIONS



IDU	Compatible with ODU
Floor standing	ODU single
SBF	YSF
	

[MODEL NAME]

Page

ON/OFF WATER CONSOLE

CAO



96 & 98

ON/OFF WATER SOURCE

**GCAO +
HHF/CAF/DAF**



96 & 100

Water Range

7 2 kW	9 2.5 kW	12 3.5 kW	18 5 kW	24 7 kW
-----------	-------------	--------------	------------	------------



CAO/GCAO: water condensing solution

Easy and simple installation



No outdoor unit



【 PACKAGE SOLUTION 】



【 SPLIT SOLUTION 】



HIGH WALL HHF



CASSETTE CAF



DUCTED MEDIUM STATIC PRESSURE DAF



Features

- Ideal solution for building with local restrictions or aesthetic solution.
- Easy and simple installation.
- Solution for places without access to external wall.
- High efficiency system with advance heat exchanger.
- Built in system protection in water side.





CAO

 Unique
solutions

ON/OFF WATER CONSOLE

- Water console with capacities from 2.3 to 4.7 kW.
- Cooling mode.
- Electrical heater in option.
- Refrigerant: R407C

PRODUCT ADVANTAGES

- Ideal indoor solution when the building structure or aesthetic reasons forbid a condensing outdoor unit.
- Able to be connected to public water network.
- Pressostat valve supplied.



ACCESSORIES/OPTIONS

Acc.	Reference	Description	Function
Electrical heater	7ACEL0006	Electrical heater 2 kW.	Simple electrical additional heater 2 kW.
	7ACEL0007	Electrical heater 3 kW.	Simple electrical additional heater 3 kW.
Wired remote control	7ACEL0039	Simple wired remote control.	Simple function as ON/OFF, operating mode temperature.

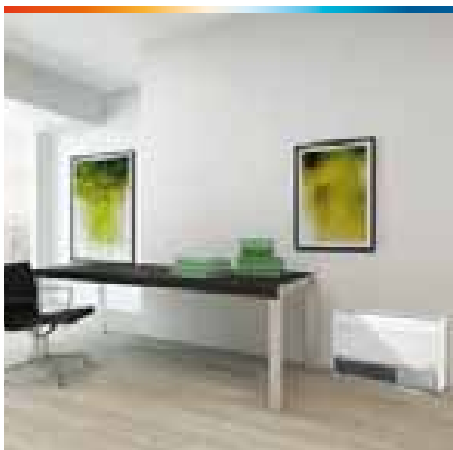
FEATURES



CAO TECHNICAL DATA

Indoor units		CAO 230	CAO 370	CAO 580
COOLING				
Rated capacity	kW	2.3	3	4.7
Rated power input	kW	0.66	0.85	1.3
EER/Energy label		3.4/E	3.5/D	3.6/D
Operating limits	°C	15°/32° Dry Bulb		
Condenser inlet water temperature		10°/30°		
INDOOR UNIT				
Sound pressure level to 1 m (LS/HS)	dB(A)	37/40	38/41	41/43
New airflow	m³/h	60	60	80
Airflow (LS/HS)	m³/h	450/550	450/550	725/880
Water flow at +15°C	l/h	130	170	270
Compressor type		Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	1030x620x226	1030x620x226	1390x620x226
Weight	kg	48	49	69
Part number		7CW011016	7CW011017	7CW011018
POWER SUPPLY 1~230V - 50HZ				
Power supply side		Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5
Fuse rating am		6	6	8

AIRWELL SOLUTIONS





GCAO

Unique solutions

ON/OFF WATER SOURCE

- Water cooled unit available in capacities from 2.7 up to 6.37 kW.
- Cooling only operation mode

COMPATIBLE WITH

HIGH WALL HHF



CASSETTE CAF



+ adaptor

DUCTED MEDIUM
STATIC PRESSURE DAF

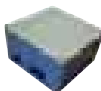
+ adaptor

[PRODUCT ADVANTAGES]

- Water flow protection by presostat valve.
- High pressure switch with manual reset.
- Super quiet.
- Connection to HHF, CAF and DAF indoor units.
- Ideal solution for premises where it is impossible to install an outdoor unit.
- Connection to recycled or lost water systems.
- Able to be connected to public water network.



ACCESSORIES/OPTIONS

Acc.	Reference	Photo	Description	Function
Adaptor	7ACEL1653		Additional adaptor refer to all CAF/DAF	Electronic adapter between IDU CAF/DAF to ODU GCAO.

FEATURES

A/A CLASS
EFFICIENCY

R410A FLUID

NANO
PHOTOCATALYTIC
FILTERELECTROSTATIC
FILTER -
ANTIBACTERIA

AUTO CLEAN/DRY



I FEEL

WIDE ANGLE
LOUVER

SLEEP MODE



TURBO MODE

LOW BATTERY
INDICATIONRESTART
AUTO RESTART
(MEMORY)REMOTE CONTROL
LOCK

GCAO TECHNICAL DATA

Outdoor units		GCAO 9N	GCAO 12N	GCAO 18N	GCAO 24N
COOLING					
Rated capacity	kW	2.70	3.65	5.85	6.37
Rated power input	kW	0.68	0.94	1.34	1.90
EER/Energy label		4.19/A	3.88/B	4.37/A	3.76/B
Operating limits indoor temperature	°C	17°/32° Dry Bulb			
Condenser inlet water temperature	°C	10°/45°			
WATER SOURCE					
Sound power level to 1 m	dB(A)	49	49	51	53
Waste water flow at + 15°C	l/h	120	160	250	320
Recycled water flow 30/35°C	l/h	600	850	1 250	1 550
Compressor type		Rotary	Rotary	Rotary	Rotary
Dimensions (WxHxD)	mm	625x473x360	625x473x360	625x473x360	625x473x360
Weight	kg	41	45	50	56
Part number		7SP101040	7SP101041	7SP101045	7SP101044
PIPE LINE					
Suction pipe diameter	inches	3/8"	1/2" *	1/2"	1/2"
Liquid pipe diameter	inches	1/4"	1/4"	1/4"	1/4"
Max length	m	25	25	25	25
Max height	m	15	15	15	15
INDOOR UNIT					
Power supply		1~230V - 50 Hz			
Power supply side		Indoor	Indoor	Indoor	Indoor
Power cable section	mm²	3x1.5	3x1.5	3x1.5	3x2.5
Fuse rating am	A	10	10	10	16
Electrical connections	mm²	3x1.5	3x1.5	3x1.5	4x2.5
Indoor units high wall		AWSI-HHF009-N11	AWSI-HHF012-N11	AWSI-HHF018-N11	AWSI-HHF024-N11
Sound pressure level to 1 m (LS/MS/HS/SS)	dB(A)	32/35/37/40	32/35/38/41	35/39/42/45	38/41/44/47
Sound power level (LS/MS/HS/SS)	dB(A)	42/45/47/50	42/45/48/51	45/49/52/55	48/51/54/57
Airflow (LS/MS/HS/SS)	m³/h	310/340/370/400	350/420/500/550	550/650/780/850	550/650/780/850
Dimensions (WxHxD)	mm	730x255x174	790x265x177	940x298x200	940x298x200
Weight	kg	8	9	13	13
Part number		7SP022856	7SP022857	7SP022858	7SP022859
Indoor units cassettes		AWSI-CAF012-N11**	AWSI-CAF012-N11	AWSI-CAF018-N11	AWSI-CAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	43/45/47	43/45/47	43/45/47	43/45/47
Sound power level (LS/MS/HS)	dB(A)	53/55/57	53/55/57	53/55/57	53/55/57
Airflow (LS/MS/HS)	m³/h	620/720/820	620/720/820	620/720/820	1000/1080/1180
Indoor unit dimensions (WxHxD)	mm	600x230x600	600x230x600	600x230x600	840x260x840
Indoor unit weight	kg	20	20	20	36
Frame dimensions	mm	650x650x50	650x650x50	650x650x50	950x950x60
Part number		7SP042208	7SP042208	7SP042209	7SP042210
Part number frame		7ACVF0547	7ACVF0547	7ACVF0547	7ACVF0548
Indoor units ducted		AWSI-DAF009-N11	AWSI-DAF012-N11	AWSI-DAF018-N11	AWSI-DAF024-N11
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	34/36/37	36/38/40	38/40/42	40/42/44
Sound power level (LS/MS/HS)	dB(A)	44/46/47	46/48/50	48/50/52	50/52/54
Airflow (LS/MS/HS)	m³/h	400/470/550	490/540/600	680/750/840	1220/1350/1400
External static pressure	Pa	25 (0-25)	25 (0-25)	25 (0-25)	25 (0-100)
Dimensions (WxHxD)	mm	913x680x220	913x680x220	1012x736x266	1270x504x268
Weight	kg	27	27	36	37
Part number		7SP032114	7SP032115	7SP032116	7SP032117
Electronic adaptor between IDU CAF/DAF to ODU GCAO	Part nb.	7ACEL1653			

* To connect HHF 12, a flare adapter: 1/2" Female x 3/8" Male is mandatory.

** CAF 12 matching with GCAO 9.

Light Commercial Range

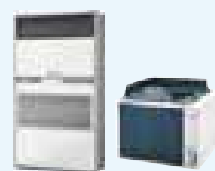
[MODEL NAME]

Page

VERTICAL CABINET

VERTICAL AIR CABINET

X AC



104

VERTICAL WATER CABINET

X WC



106

ROOFTOP

ROOFTOP UNIT

HAN



108

12.5 kW	14 kW	17 kW	19 kW	25 kW	30 kW	40 kW	45 kW	55 kW
---------	-------	-------	-------	-------	-------	-------	-------	-------





X AC

VERTICAL AIR CABINET COOLING ONLY

- Cooling capacity: from 16.2 to 55 kW
- Refrigerant: R407C
- Configuration: split system

X AC range is fully electromechanical
> High reliability



PRODUCT ADVANTAGES

- Easy installation and maintenance.
- Split system with outdoor condenser fan unit.
- Air discharge through duct network or plenum.
- Adjustable available static pressure.
- Temperature control by thermostat on the front of panel or by a remote control (optional).
- Electrical, refrigeration and thermal protection devices.
- Available with or without neutral in 3P/400V/50Hz.

MAIN OPTIONS

- Room thermostat.
- Electric heater.
- Hot water heating coil.
- “All season” system (Cooling mode operation down to outdoor temperature of -10°C).
- Remote fault reporting.
- Plenum.
- Duct flange.
- Valves.
- Pipe link: linking pipes up to 10 m (to be mentioned when ordering), with female couplings.

OPERATING LIMIT FOR STANDARD UNIT

Indoor unit	
Minimum air temperature (room/intake/around unit)	21°C DB/15°C WB
Maximum air temperature (room/intake/around unit)	32°C DB/23°C WB
Outdoor unit	
Minimum air temperature/with all-season kit	15°C DB/-10°C
Maximum air temperature	50°C DB

X AC TECHNICAL DATA

Indoor units			X AC 1900	X AC 2450	X AC 3250	X AC 4650	X AC 6450
Outdoor units			CONA 54	CONA 74	CONA 104	CONA 74	CONA 104
PRODUCT CODES							
Indoor units	standard	Code	7XU122077	7XU122078	7XU122079	7XU122080	7XU122081
	without neutral	Code	7XU122230S	7XU122221S	7XU122222S	7XU122224S	7XU122227S
Outdoor units	standard	Code	7XU131026	7XU131027	7XU131028	2 x 7XU131027	2 x 7XU131028
	with all season control	Code	7XU131059	7XU131058	7XU131060	2 x 7XU131058	2 x 7XU131060
	without neutral	Code	On demand	On demand	On demand	On demand	On demand
	without neutral, with all season control	Code	On demand	7XU131064S	7XU131063S	2 x 7XU131064S	2 x 7XU131063S
CAPACITIES							
Cooling	Cooling capacity	kW	16.2	19.8	29.0	38.9	55.0
	Nominal power input Cooling + Ventilation (VS/FV)	kW	7/7.5	8.2/8.9	12.3/13.1	17/19	24.6/26.2
	Nominal power input Electrical Heating + Ventilation (VS/FV)	kW	9.4/9.6	12.5/13	18.7/19.2	23.4/24.3	39.4/41.5
	EER		2.38	2.22	2.3	2.3	2.3
	Cooling circuit		1	1	1	2	2
INDOOR UNIT							
Power supply			400V/3P/N/50Hz				
Ventilation	Available static pressure	Pa	300	200	200	250	290
	Nominal airflow	m³/h	3200	4500	5800	9000	12000
	Airflow range (min/max)	m³/h	2500/3800	3600/5400	4600/7000	7200/10800	9500/14500
Sound levels	Sound power level	dB(A)	68	75	81	77	85
Dimensions	WxHxD	mm	1000x1735x500	1300x1840x600	1530x1840x600	1715x1970x790	1980x1970x790
	Plenum height	mm	260	350	350	400	400
Weight	Unit weight	kg	182	265	350	525	600
OUTDOOR UNIT							
Condenser unit			1	1	1	2	2
Ventilation	Max. airflow	m³/h	7600	8550	14000	8550	14000
	Speed	tr/mn	870				
Sound levels	Sound power level	dB(A)	58	61	73	64	76
Dimensions	WxHxD	mm	885x840x825	1141x840x885	1546x840x885	1141x840x885	1546x840x885
Weight	Unit weight	kg	68	93	130	93	130
Pipe line	Suction pipe diameter	inches	1/2"	5/8"	3/4"	5/8"	3/4"
	Liquid pipe diameter	inches	3/8"	1/2"	5/8"	1/2"	5/8"
	Max length	m	45	45	45	45	45
ACCESSORIES							
Set of female valves		Code	7ACFH0055	7ACFH0056	7ACFH0061	7ACFH0057	7ACFH0060
Pipe link - Length 10m		Code	7ACFH0211	7ACFH0212	7ACFH0213	7ACFH0214	7ACFH0215
Electric heater		kW	12	18	22.5	37.5	45
		Code	On demand	On demand	On demand	On demand	On demand
Hot water coil		kW	29.7	38.5	50	77	94
		Code	7ACFH0063	7ACFH0064	7ACFH0118	7ACFH0180	7ACFH0170
ON/OFF switch and room thermostat		Code	7ACEL0041	7ACEL0032	7ACEL0032	7ACEL0032	7ACEL0032
"High ventilation"		Code	7ACVF0024	7ACVF0475S	On demand	On demand	On demand
Remote fault reporting		Code		7ACEL0072	7ACEL0072	7ACEL0071	7ACEL0071
Air distribution duct frame		Code	7ACVF0102	7ACVF0050	7ACVF0051	7ACVF0052	7ACVF0052
Total rear air intake duct frame		Code	7ACVF0104	7ACVF0043	7ACVF0044	7ACVF0045	7ACVF0046
Front air distribution plenum		Code	7ACVF0106	7ACVF0108	7ACVF0109	7ACVF0110	7ACVF0111
Fresh air supplied		Code	7ACVF0047	-	-	-	-

AIRWELL SOLUTIONS





X WC

VERTICAL WATER CABINET COOLING ONLY

- Cooling capacity: from 11.7 to 45.7 kW
- Refrigerant: R407C
- Configuration: monobloc system



PRODUCT ADVANTAGES

- Easy installation and maintenance.
- Monobloc system.
- Public or recycled water operation.
- Air discharge through duct network or plenum.
- Adjustable available static pressure.
- Temperature control by thermostat on the front of panel or by a remote control (optional).
- Electrical, refrigeration and thermal protection devices.

MAIN OPTIONS

- Room thermostat.
- Electric heater.
- Hot water heating coil.
- Remote fault reporting.
- Plenum.
- Duct flange.

OPERATING LIMIT FOR STANDARD UNIT

COOLING MODE	
Minimum air temperature	21°C DB/15°C WB
Maximum air temperature	32°C DB/23°C WB
Minimum water temperature	+10°C
Maximum water temperature	+30°C

X WC TECHNICAL DATA

X WC Model			X WC 1100	X WC 1900	X WC 2450	X WC 3250	X WC 4650
PRODUCT CODES							
400V/3P/50 Hz	With valve	Code	7XU012025	7XU012028	7XU012029	7XU012030	7XU012031
	Without valve	Code	-	-	On demand	On demand	On demand
CAPACITIES							
Cooling	Cooling capacity	kW	11.7	18.0	23.0	32.4	45.7
	Nominal power input Cooling + Ventilation (VS/FV)	kW	3.8/4	5.5/6	7.1/7.8	9.8/10.6	13.9/16
	Nominal power input Electrical Heating + Ventilation (VS/FV)	kW	9.4/9.6	12.5/13	18.7/19.3	23.4/24.3	39.4/41.5
	EER		3.08	3.1	3.24	3.31	3.29
	Cooling circuit		1	1	1	1	2
VENTILATION							
Available static pressure		Pa	200	250	200	250	250
Nominal airflow		m³/h	2000	3200	4500	5800	9000
Airflow range (min/max)		m³/h	1500/2500	2500/3800	3600/5400	4600/7000	7200/10800
HYDRAULIC							
Wasted water	Water flow	m³/h	0.58	0.92	1.45	2	2.8
	Pressure drop	kPa	22	18	42	40	18
Recycled water	Water flow	m³/h	2.1	3.4	4.3	5.8	8.3
	Pressure drop	kPa	50	70	60	40	56
SOUND LEVELS							
Sound power level		dB(A)	65	67	74	80	76
POWER SUPPLY							
Power supply			400V/3P/50 Hz				
DIMENSIONS							
WxHxD		mm	890x1540x430	1000x1735x500	1300x1840x600	1530x1840x600	1715x1970x790
Plenum height		mm	220	260	350	350	400
WEIGHT							
Unit weight		kg	151	199	305	380	565
ACCESSORIES							
Electric heater	kW	9	12	18	22.5	37.5	
	Code	On demand	On demand	On demand	On demand	On demand	
Hot water coil	kW	15.5	29.7	38.5	50	77	
	Code	7ACFH0062	7ACFH0063	7ACFH0064	7ACFH0118	7ACFH0180	
ON/OFF switch and room thermostat	Code	7ACEL0041	7ACEL0041	7ACEL0032	7ACEL0032	7ACEL0032	
"High ventilation"	Code	7ACVF0023	7ACVF0024	-	-	-	
Sum heating resistance	Code	7ACEL0029	included	-	-	-	
Remote fault reporting	Code	-	-	7ACEL0072	7ACEL0072	7ACEL0071	
Air distribution duct frame	Code	7ACVF0101	7ACVF0102	7ACVF0050	7ACVF0051	7ACVF0052	
Total rear air intake duct frame	Code	7ACVF0041	7ACVF0104	-	-	-	
Front air distribution plenum	Code	7ACVF0105	7ACVF0106	7ACVF0108	7ACVF0109	7ACVF0110	
Fresh air supplied	Code	7ACVF0047	7ACVF0047	-	-	-	

AIRWELL SOLUTIONS





HAN

ROOFTOP UNIT COOLING AND HEATING MODE

- Cooling capacity: from 13 to 31 kW
- Heating capacity: from 12.1 to 30.5 kW
- Refrigerant: R410A
- Configuration: compact monobloc system



PRODUCT ADVANTAGES

- Weather resistant casing with external panels and drain pan coated with powder-based epoxy paint colour RAL 7040.
- Base rail with forklift slots to facilitate transportation and handling.
- Technical compartment independent from airstreams allowing service works to be performed without disturbing the unit operation.
- High EER and environmentally friendly refrigerant R410A with zero ODP (Ozone Depleting Potential).
- High efficiency Scroll compressor with crankcase heater.
- Condenser coils with hydrophilic coated fins to improve removal of water droplets during defrost cycles.
- Standard microprocessor-based control by CAC controller.

MAIN OPTIONS

- Factory-fitted low ambient temperature control to ensure cooling operation down to -10°C outdoor temperature (All-season).
- Electric heater.

MANDATORY ACCESSORIES

- Synthetic air filter.
- Programmable controller RCW2 to control up to 15 units with independent set points and programming.

OPERATING LIMIT FOR STANDARD UNIT

Cooling mode	
Minimum indoor air temperature	21°C DB/15°C WB
Maximum indoor air temperature	32°C DB/23°C WB
Minimum outdoor air temperature/with all-season kit	15°C DB/-10°C
Maximum outdoor air temperature	50°C DB
Heating mode	
Maximum indoor air temperature	27°C DB
Minimum outdoor air temperature	-10°C
Maximum outdoor air temperature	24°C (16°C for HAN 25)

HAN TECHNICAL DATA

HAN Model			HAN 13	HAN 15	HAN 17	HAN 19	HAN 25	HAN 31
PRODUCT CODES								
Standard		Code	7HL023002	7HL023003	7HL023004	7HL023005	7HL023006	7HL023007
With all season control		Code	7HL023009	7HL023010	7HL023011	7HL023012	7HL023013	7HL023014
RATED CAPACITIES								
Cooling	Cooling capacity	kW	13.0	14.5	16.8	18.9	25.4	31.0
	Rated power input	kW	4.5	4.9	6.0	6.5	8.3	10.0
	EER		2.88	2.95	2.8	2.9	2.95	3.1
Heating	Heating capacity	kW	12.1	14.2	15.8	19.0	24.2	30.5
	Rated power input	kW	4.3	4.5	5.7	6.0	8.8	9.5
	COP		2.8	3.1	2.7	3.1	2.75	3.2
VENTILATION								
Available static pressure		Pa	100	170	160	210	240	250
Airflow	Indoor fan	m³/h	2640	2940	3190	3860	4780	5530
	Outdoor fan	m³/h	9000	9000	9000	9000	12000	12000
SOUND LEVELS								
Sound power level (Indoor)		dB(A)	79.3	79.3	79.3	83.1	84.9	86.4
Sound power level (Outdoor)		dB(A)	75.0	75.0	75.0	72.7	78.2	82.7
POWER SUPPLY								
Power supply			400V/3P/50 Hz					
DIMENSIONS								
WxHxD		mm	1320x1345x905	1320x1345x905	1320x1345x905	1320x1345x905	1420x1445x1320	1420x1445x1320
WEIGHT								
Unit weight		kg	219	223	223	243	320	343
MANDATORY ACCESSORIES								
Air filter		Code	7ACVF0481	7ACVF0481	7ACVF0481	7ACVF0481	7ACVF0482	7ACVF0482
Remote control RCW2		Code	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212	7ACEL1212
OPTION								
Electric heater		kW	9	9	12	12	12	12
		Code	7ACEL1217	7ACEL1217	7ACEL1219	7ACEL1219	7ACEL1219	7ACEL1219

AIRWELL SOLUTIONS



VRF Range Outdoor units

[MODEL NAME]	Capacity HP	Power supply	Page	CAPACITY (HP)	
				Cooling (kW)	Heating (kW)
MINI FLOW LOGIC II	 NEW 5	3PH 400 V-N	122		
	 6	3PH 400 V-N	122		
	 10	3PH 400 V-N	122		
FLOW LOGIC II	 10	3PH 400 V-N	126		
	 NEW 12	3PH 400 V-N	126		
	 14	3PH 400 V-N	126		
	 16	3PH 400 V-N	126		

111

CAPACITY (kBtu/h)

Cooling (kW)

Heating (kW)

[MODEL NAME]

Page

HIGH WALL

HAV



142

CASSETTE 600X600

CBV



143

CASSETTE 900X900

CCV



144

FLOOR CEILING

FAV



145

DUCTED LOW STATIC
PRESSURE

DAV



146

DUCTED MEDIUM STATIC
PRESSURE

DBV



147

DUCTED HIGH STATIC
PRESSURE

DCV



148

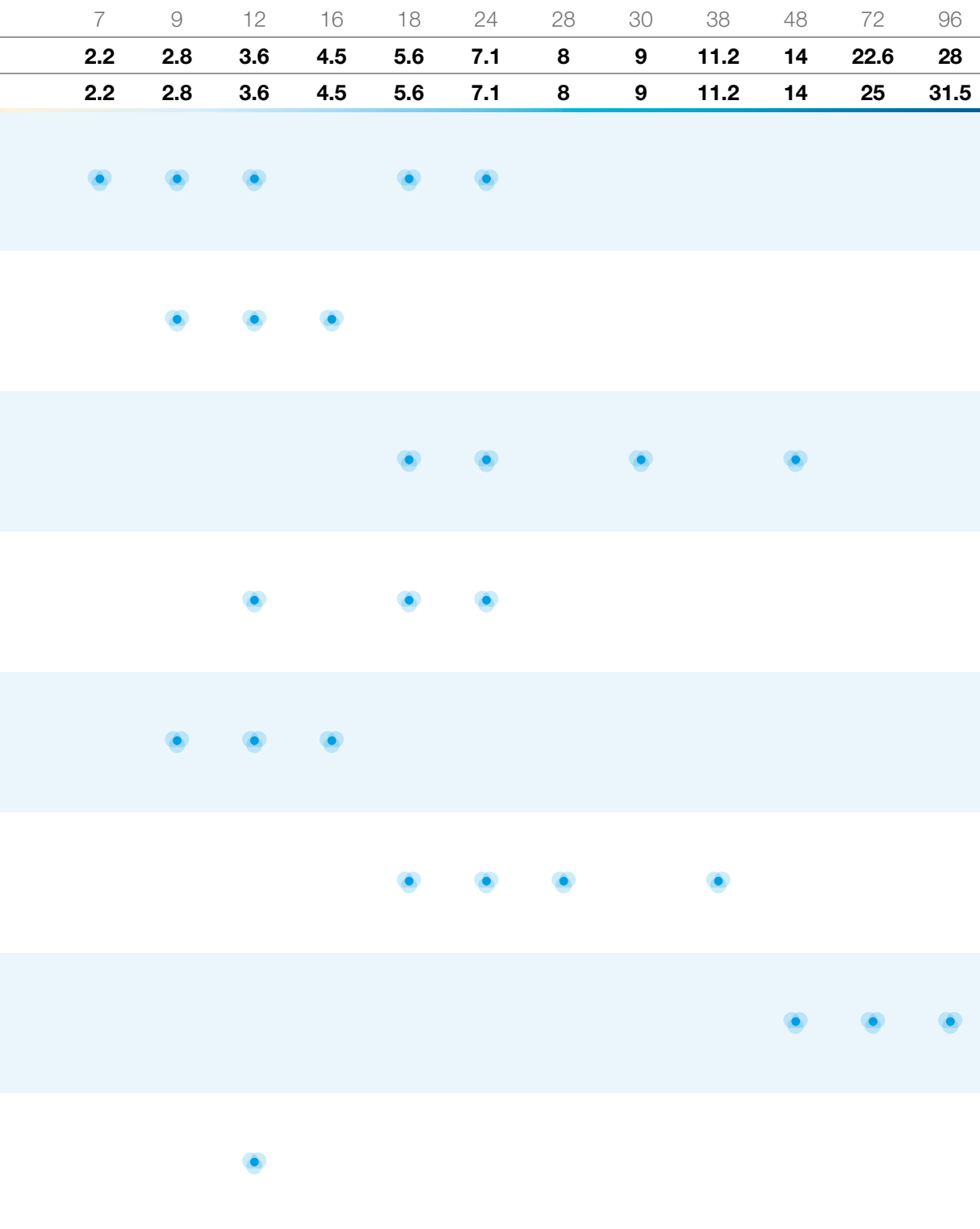
CONSOLE

EAV



149

VRF Range
Indoor units



FlowLogic II, high performance system ultra modularity, multi applications

FlowLogic II is a range of variable refrigerant flow (VRF) solutions for heating and air conditioning applications including of two innovative systems each utilising high performance R410A refrigerant.

This range is unmatched by anything on the market and can independently control **up to 64 indoor units**, offering a capacity from 5 to 16 HP (15 to 135 kW). The DC Inverter technology means that these systems achieve remarkable energy efficiency:

- COP up to 4.
- Ultra silent operation.
- Compact footprint.

This range of products is adapted to numerous applications: residential, small businesses, major office complexes, shopping centers or hotels etc: and this is thanks to its numerous technical assets such as:

- A range of 3 phases units.
- Significant refrigerant pipe lengths and height differences.
- Minimum outdoor temperature for heating mode operation: -15°C.
- Heating or cooling.

HIGH PERFORMANCE SYSTEM

- Significant energy savings → direct impact on their fuel bills.
- High performance system → guarantees optimal comfort all year round.
- Simplicity of the installation procedure → installer benefits.
- Number of tools (software and documents) → make it easier to calculate the dimensions of the system.

OPTIMAL ENERGY SAVINGS – GOOD FOR THE ENVIRONMENT

The energy efficiency of the FlowLogic II range is exceptional thanks to the use of DC Inverter compressors and the use of variable speed fan motors. Therefore for 1 kW of electricity used by the system, up to 4 kW of heat output is generated. As the units operate using R410A, the entire range of products contributes to the preservation of the environment (high performance “green” fluid, recyclable and harmless to the ozone layer, reduction in energy consumption) within the framework of the Renewable Energy plan.

SILENT OPERATION

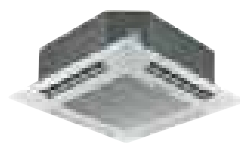
The Twin Rotary and Scroll DC Inverter compressors are fitted across the entire FlowLogic II range producing a significant reduction in noise levels and vibrations that guarantees silent running.

A COMPLETE RANGE OF INDOOR UNITS AND CONTROL DEVICES

All indoor units and control devices are the same across the two systems of the Airwell Mini FlowLogic II and FlowLogic II range.



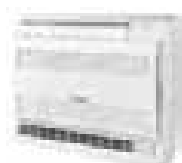
CASSETTE 600x600
CBV



CASSETTE 900x900
CCV



FLOOR CEILING
FAV



CONSOLE
EAV



HIGH WALL
HAV



DUCTED MEDIUM STATIC
PRESSURE DBV



DUCTED LOW STATIC
PRESSURE DAV



DUCTED HIGH STATIC
PRESSURE DCV



HEAT RECOVERY
UNIT DOUBLE FLOW
EXCHANGER HRV
(see page 42)

FEATURES

USE HIGH EFFICIENCY DC INVERTER SCROLL COMPRESSOR, HIGH EFFICACY, LOW NOISE

The highly efficient Scroll compressor is equipped with a “Framen Compliance Mechanism” that allows movement in the axial direction of the frame supporting the cradle Scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



NEW BIG DIAMETER “AVIATION” FAN

The new fan could reduce air loss, air resistance and noise, increase heat exchange efficiency adopt the 4-way air return heat exchanger technology; the compressor and condenser are placed in separated compartments; this structure of outdoor unit can realize lower air resistance, higher heat efficiency and lower noise level.



HIGH EFFICIENCY DC FAN MOTOR

The speed of wide range DC fan motor can be adjusted from 0 to 1000 tr/min.

Compared to conventional AC motors, a DC fan motor offers greater operating efficiency, especially during low speed rotation. The efficiency could be 90%.



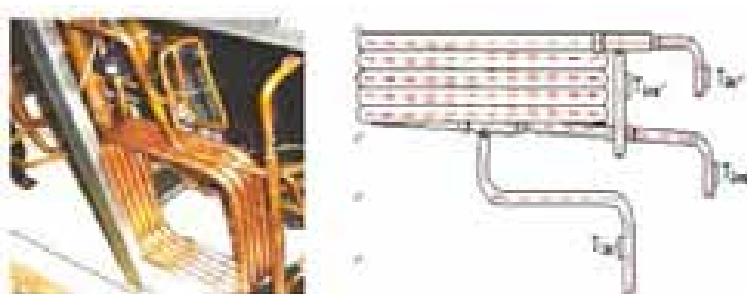
EFFICIENT EXCHANGER

W-model Ø8 innergrooved tube; hydrophilic aluminium coil fin it will increase efficiency of heat exchange by 5%.



HEAT EXCHANGER ADOPTS THE SUBCOOLING TECHNOLOGY, TO KEEP THE REFRIGERANT IN INDOOR UNIT FLOWING NORMALLY, FURTHER TO ENHANCE THE UNIT EFFICIENCY GREATLY.

Outdoor adopts the subcooling circuit utilizes little refrigerant to cool most of refrigerant in system, and makes it further cooling, improves subcooling degree of refrigerant, it can avoid energy loss due to refrigerant flash evaporating when it goes through PMV; it will increase cooling capacity by 6%, reduce refrigerant circulation amounts, so that it can increase the efficiency of system.

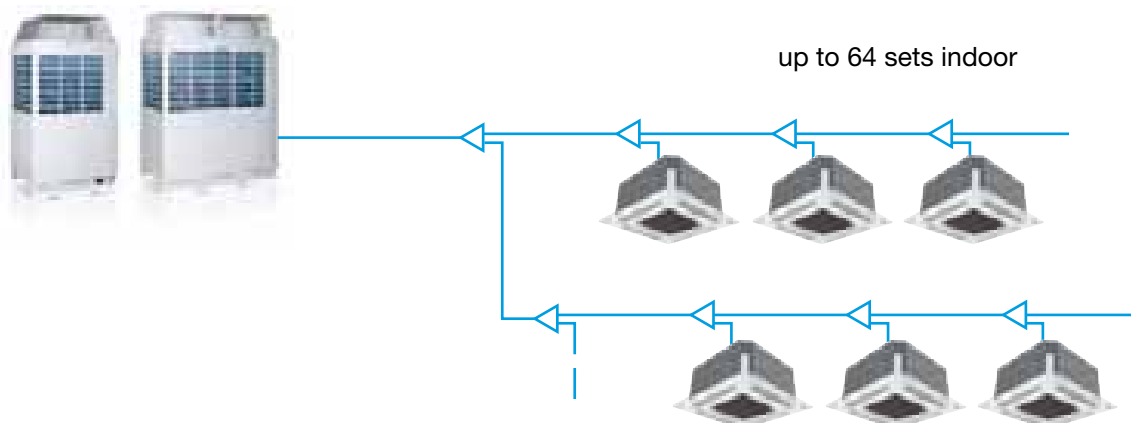


FLEXIBLE INSTALLATION AND DESIGN

Indoor quantity can be up to 64 sets in maximum. And the indoor total capacity can be 50%-130% of outdoor capacity.

If there are multiple outdoors, the outdoors will be in running by turns, much longer life.

Multiple types of indoor can be chosen for different requirements.



MORE OPTIONAL OUTDOOR CAPACITY

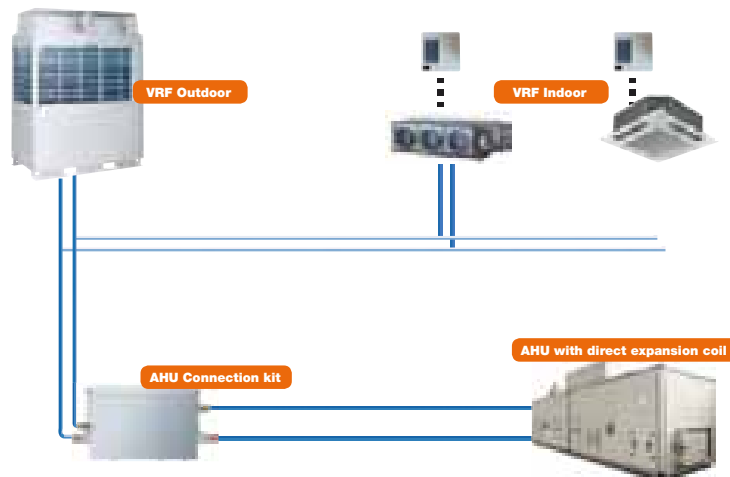
The basic outdoor unit can be combined as the standard modular. The combined outdoors will get the capacity at the interval of 48 HP.

Our VRF system has the advantage to be able to operate with only one indoor unit (minimum capacity connected must be 50%).

AHU CONNECTION KIT

SYSTEM INTRODUCTION

Airwell offers a range of connection kit to connect VRF outdoor units to third party DX air handling units.



SYSTEM APPLICATION

- Provide a solution for big space to cool down the supply fresh air with VRF outdoor units to match the air handling units. Integrated the advantages of VRF and AHU units.
- Meet the requirement of law in EU, that for every working place it have to supply at minimum 25 m³/h fresh air.so it means that every office, every shop and mostly every commercial building MUST have this solution, in order to correspond to the standard.



High rise building without podium





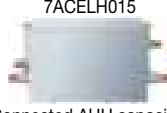
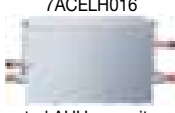










High rise building with podium



Single layer with a large area

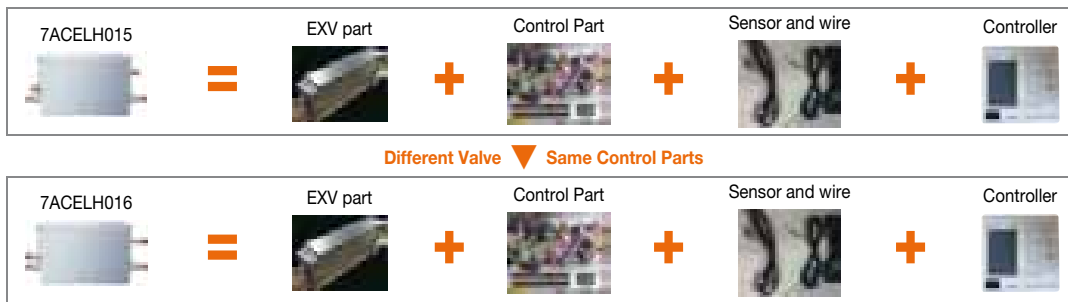
SYSTEM LINE UP

Airwell provides a wide range of VRF outdoor, valve box and Super Match Indoor solution.

	FlowLogic II	Mini FlowLogic II
VRF Outdoor	 10/12/14/16 HP	 10 HP
Valve Box	7ACELH015  5 HP (14 kW) < Connected AHU capacity ≤ 10 HP (28 kW)	7ACELH016  10 HP < Connected AHU capacity ≤ 20 HP (56 kW)
AHU & VRF indoor	 AHU and direct expansion coil need purchase in Market	 CASSETTE 600x600  CASSETTE 900x600  FLOOR CEILING  CONSOLE  HIGH WALL  DUCTED MEDIUM STATIC PRESSURE  DUCTED LOW STATIC PRESSURE  DUCTED HIGH STATIC PRESSURE  HEAT RECOVERY UNIT DOUBLE FLOW EXCHANGER

AHU KIT CONFIGURATION

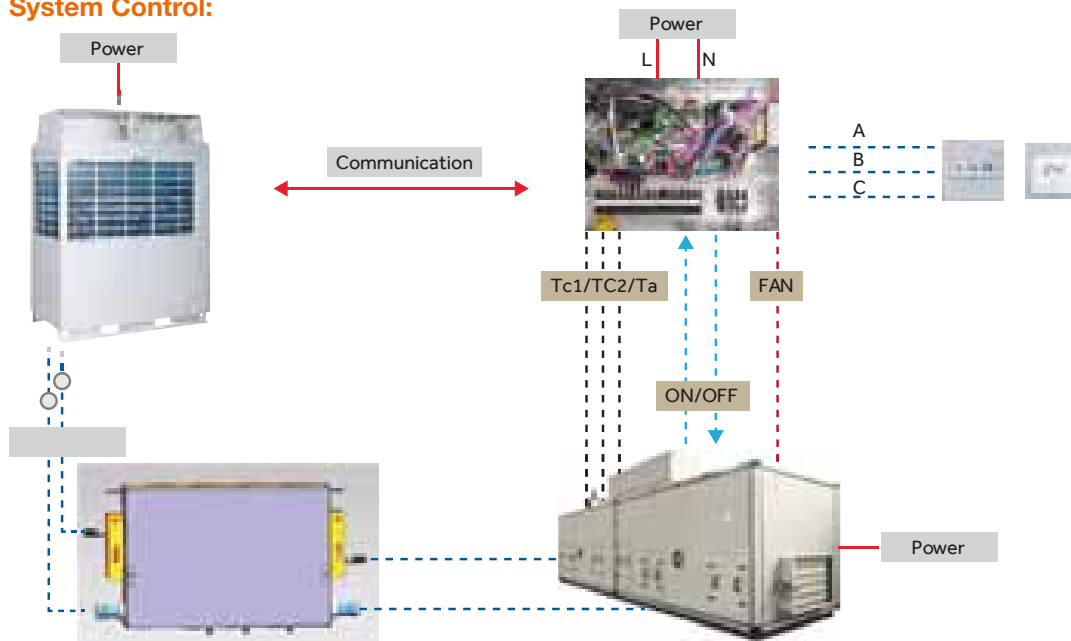
Airwell AHU Connection Kit consists the following 4 parts:



- EXV part, Control part, Sensor and wire are all integrated in one box.
- Controller need to be purchased separately.

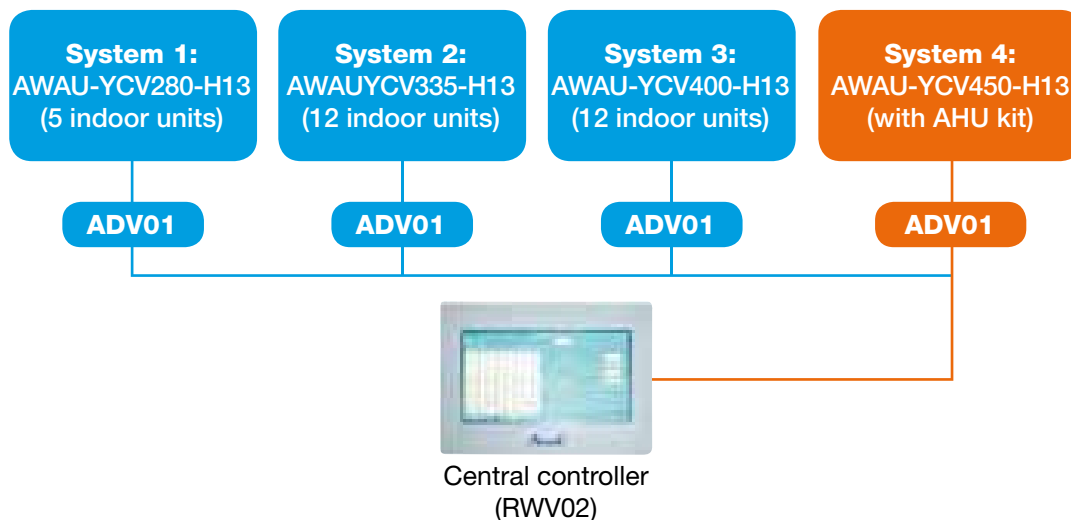
AHU CONNECTION KIT CONTROL

System Control:



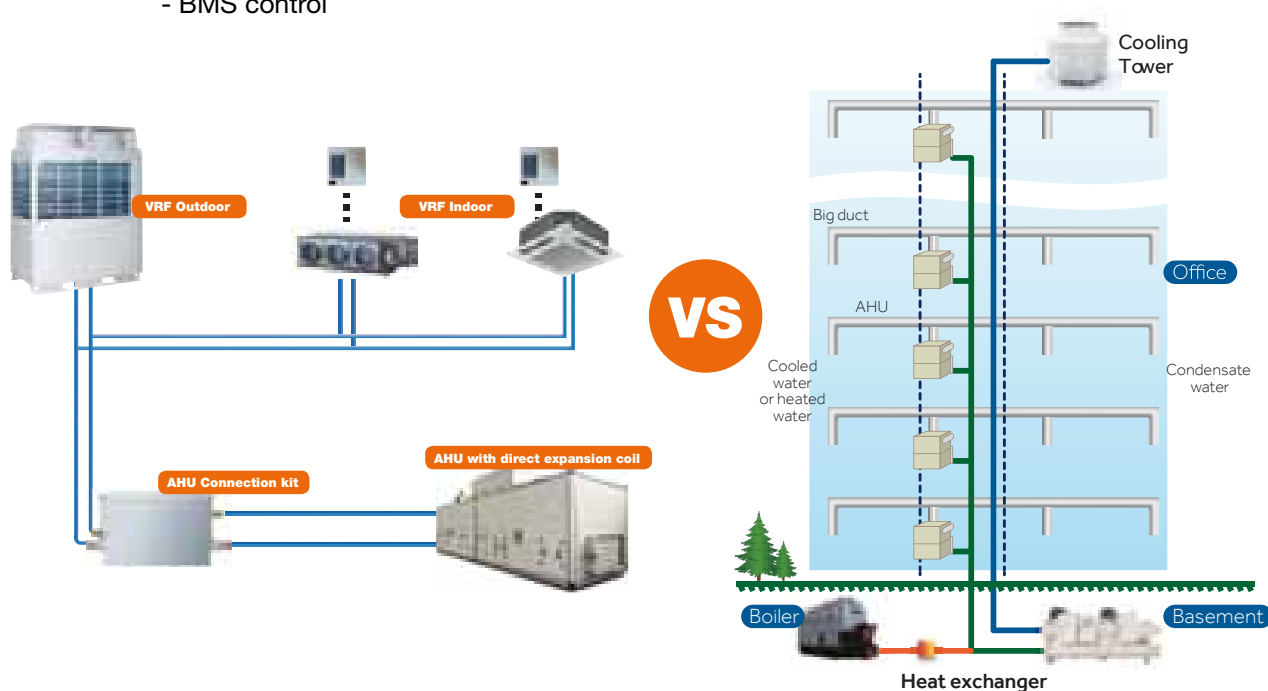
CONNECTION KIT CONTROL

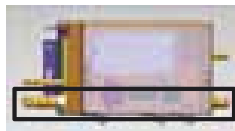

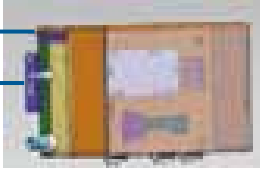
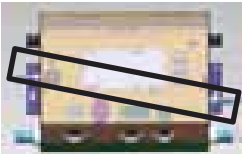
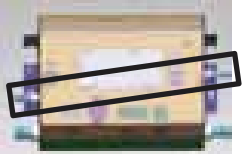
Central Control: AHU control is same as VRF indoor unit control.



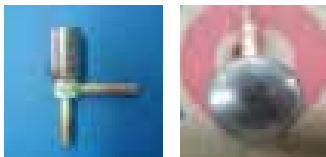
Easy Installation

- Adopting the VRF outdoor, not the traditional chiller outdoor system, is easy to design and install since no additional water system such as boilers, gas connections, cooling tower etc. are required. This also reduces the total system cost.
- AHU can provide enough cooled fresh air to big space other than HRV and fresh air indoor units.
- All the control system for VRF outdoor is available:
 - Wired control
 - Central control
 - Net work control
 - BMS control



<p>EXV part and Control part integration, easy for translation and installation. Gas pipe is integrated into the valve box.</p>	<p>Gas pipe need welding.</p> <div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;">  <p>Airwell</p> </div> <div style="text-align: center;">  <p>Traditional</p> </div> </div>
<p>Optional installation location</p> <p>EEV box inlet and outlet pipe can be left or right.</p>	<p>Installation can choose lifting or nailed to the wall.</p> <div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;"> <p>Hang</p>  </div> <div style="text-align: center;"> <p>Nail to the wall</p>  </div> <div style="text-align: center;"> <p>OR</p>  </div> </div>




ADVANTAGES

Broad capacity	Connected AHU capacity from 5HP to 20HP.
High Compatible	1. Same PCB board with VRF indoor, easy operation and service. 2. Same wired controller can be used with VRF indoor unit.
Reliable EEV	EEV is supplied by FUJIKOKI. 

SPECIFICATION

Model		7ACELH015	7ACELH016
Connected AHU capacity	kW	14 ≤ x ≤ 28 (5-10 HP)	28 < x ≤ 56 (10-20 HP)
Power supply		220-240V/50/60Hz	380V/50/60Hz
Dimensions (WxDxH)	mm	226x351x154	296x460x243
Material		Galvanized steel	Galvanized steel
Color		Grey	Grey
Weight	kg	7	10
Liquid pipe	inches	3/8" (main) - 1/2"	3/8" (main) - 1/2"
Gas pipe	inches	1" (main) - 7/8" - 3/4"	1"1/8 (main) - 1" - 7/8"
Pipe connection method		welding	welding

VRF OUTDOOR LINE UP

OUTDOOR	MINI FLOW LOGIC II	FLOW LOGIC II			
Modèle	AWAU-YCVFD280-H13	AWAU-YCV280-H13	AWAU-YCV335-H13	AWAU-YCV400-H13	AWAU-YCV450-H13
					
HP	10	10	12	14	16
kW	28	28	33.5	40	45
Power supply	3/380~400/50 3/380~400/60	3/380~400/50 3/380~400/60 3/220/60 3/460/60			



MINI FLOWLOGIC II

2-WAY



Three phase outdoor unit, 5 HP, 6 HP and 10 HP class, designed for residential use or for light commercial use.

PRODUCT ADVANTAGES

- COP can reach 4.2
- Three phase electrics
- Compact (0.32 m² footprint)
- Minimum outdoor temperature for heating mode operation -15°C
- Minimum outdoor temperature for cooling mode operation -5°C
- DC Inverter compressor and ventilator
- Refrigerant simple pipe length up to 150 m
- 5 HP: up to 8 units can be connected
- 6 HP: up to 9 units can be connected
- 10 HP: up to 16 units can be connected

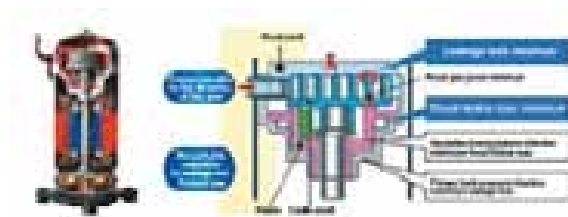


DC FAN MOTOR

DC fan motor speed can be adjusted from 0~1000 r/min, it can improve the unit efficiency, at the same time, the unit can realize low ambient cooling operation.

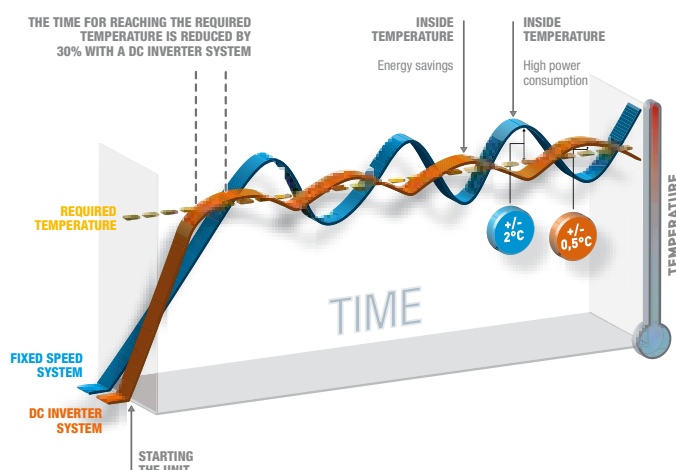
HIGHLY EFFICIENT DC SCROLL COMPRESSOR

The highly efficient Scroll compressor is equipped with a "Flexible Mechanism" that allows movement in the axial direction of the frame supporting the cradle Scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



DC INVERTER TECHNOLOGY

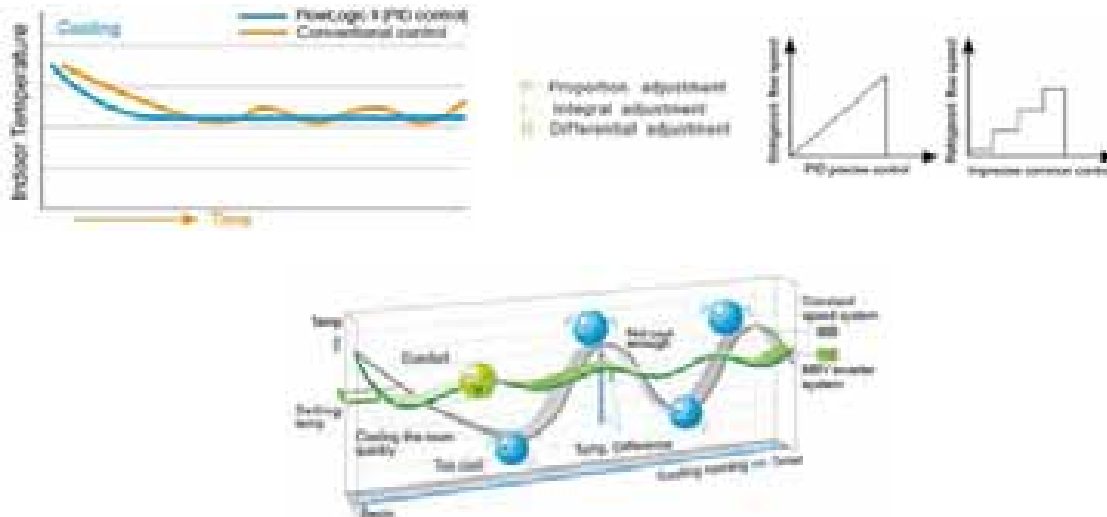
DC Inverter motor. High efficiency.
Low vibration, low noise. High reliability.



PRECISE CONTROL

PID CONTROL

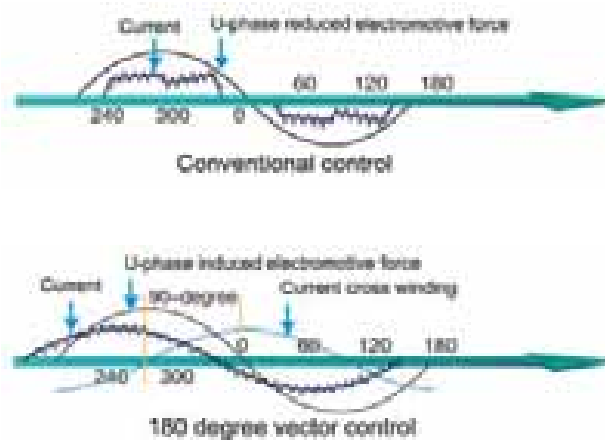
PID control adjusts the output of compressor and the open degree of EEV, balances the indoor refrigerant flow, realizes the linear output, creates a comfortable environment. The temperature could be controlled precisely.



180 DEGREE VECTOR CONTROL TECHNOLOGY

FEATURES

Airwell using power resistance to detect the rotor position of compressor, results in the consistency of the compressor working current and current sine waves, improve power efficiency about 17%.



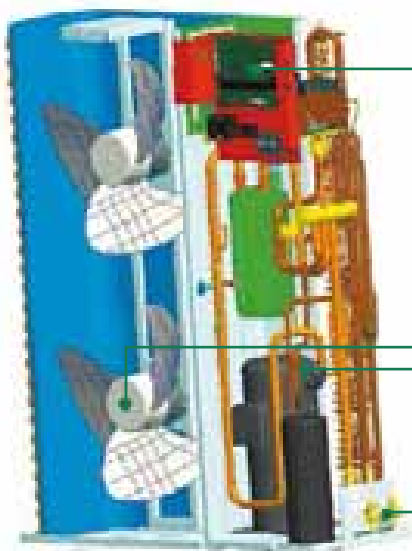
OPERATION RANGE

Mini FlowLogic II series permits a system design considering a heating range operation under a low temperature condition from -15°C of previous model and a cooling range operation -5°C .

For the capacities under low temperature conditions, please see technical data sheets.

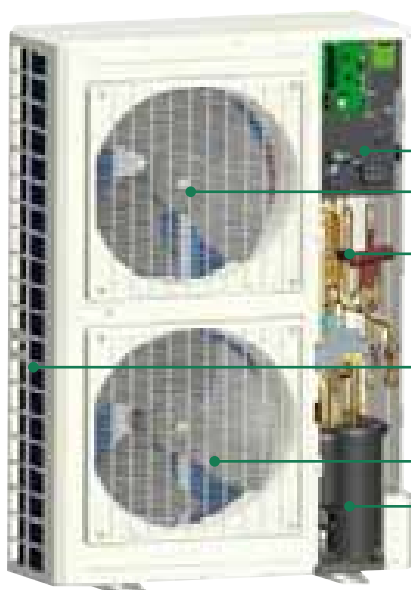


CONTROL AND SAFETY



5 HP / 6 HP

- Control compressor running frequency by temp. Sensor, more precise and prompt than conventional control system.
- Protections: pressure, temp., compressor, fan motor, refrigerant, oil quantity etc. Realize perfect performance.
- Malfunction self-diagnose.
- DC fan motor (YCV 150 / YCV 180).
- DC Inverter compressor, high efficiency.
- Single set valve, easy to installation and save installation time.



10 HP

- **Vector inverter control:** 180 degrees sine wave vector control, 64-bit operation; high precision control, to achieve high efficiency and lower noise.
- **High efficiency DC Fan Motor:** DC fan motor with stepless inverter control, efficiency increase 45% comparing with AC motor and power input largely decrease.
- **Double pressure sensor:** Equipped with high and low voltage; pressure double sensors; accurate pressure control, the system run more smoothly, more energy efficient.
- **High efficiency Condenser:** new type high efficiency Ø8 inner grooved tube; new hydrophilic corrugated fissure fin, high efficiency.
- **Large diameter fan:** 570 mm big diameter axial flow fan; zigzag design, reduce airflow disturbance, air volume is bigger, the noise is lower.
- **Twin Rotary DC Inverter Compressor:** high chamber DC INVERTER twin rotary compressor; small vibration, low noise, high energy efficiency.

MINI FLOWLOGIC II TECHNICAL DATA

Outdoor units		AWAU-YCV150-H13	AWAU-YCV180-H13	AWAU-YCVFD280-H13
Code		7SP14H102	7SP14H013	7SP14H011
RATED CAPACITY				
Cooling	kW	15	18	28
Heating	kW	17	20	31.5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	3P/400/50-N	3P/400/50-N	3P/400/50-N
Cooling Rated power input	kW	4.2/5.8	5.5	8
Heating Rated power input	kW	4.0/5.8	5.25	7.5
EER/COP		3.41/4.06	3.27/3.8	3.5/4.2
Max current	A	9.6	11.3	23.4
PERFORMANCE				
Airflow (HS)	m³/h	6500	6500	10000
Noise level (HS)	dB(A)	59	60	58
INSTALLATION				
External dimensions (WxHxD)	mm	948x1250x340	948x1250x340	1050x1636x400
Shipping dimensions (WxHxD)	mm	1094x1400x410	1094x1400x410	1150x1790x510
Net/Shipping weight	kg	118/128	130/140	168/183
Compressor type		Rotary	Rotary	Scroll
Refrigerant type		R410A	R410A	R410A
Refrigerant charge	kg	4.4	5.0	7.4
Refrigerant liquid pipe	inches	3/8"	3/8"	1/2"
Refrigerant gas pipe	inches	3/4"	3/4"	7/8"
Max pipe length	m	100	100	300
Max drop between indoor & outdoor*	m	30/20	30/20	50
Maximum indoor units connectable	quantity	8	9	16
WORKING TEMPERATURE				
Cooling	°C	-5/43	-5~43	-5~43
Heating	°C	-15/21	-15~21	-15~21

* 30 m if the outdoor unit is above indoor unit, 20 m if the outdoor unit is below indoor unit.

AIRWELL SOLUTIONS





FLOWLOGIC II

2-WAY



Composed of DC Inverter models 10, 12, 14 & 16 HP, this new generation of units enables a capacity range from 10 to 48 HP to be covered by combining up to 3 units. This range offers noise pressure levels that vary between 57 and 60 dB(A) without a silent mode, this range one of the quietest on the market.



PRODUCT ADVANTAGES

- The whole range is DC Inverter
- Capacity range from 10 to 48 HP
- COP average of 3.9
- COP can reach 4.1, which is a 15% COP increase in relation to the previous range
- 12% increase in EER in relation to the previous range
- 39 indoor units connectable from 24 HP to only 2 outdoor units
- Minimum outdoor temperature of heating mode operation -15°C
- DC Inverter fan
- Silent mode: -8 dB(A)
- Power ratio 130%
- Indoor units identical to the Mini FlowLogic R410A range
- Control device identical to the Mini FlowLogic R410A range
- Unit dimensions optimised
- De-icing between outdoor units
- Lead lag operation to maintain equal operating time
- Wide range of control systems (wireless control devices, touch screen central controller, BMS gateway)

Efficiency

DC INVERTER COMPRESSOR HIGH EFFICIENCY



Use high efficiency DC Inverter Scroll or rotary compressor, high efficiency, low noise.

Note: not only use DC Inverter compressor, some models also use fix speed compressor, pls. refer to the service manual details.

DC FAN MOTOR

The speed of the wide range DC fan motor can be adjusted from 0 to 1000 r/min.



Compared to conventional AC motors, a DC fan motor offers greater operating efficiency, especially during low-speed rotation. The efficiency could be 90%.

EFFICIENT STRUCTURE

→ New big diameter “aviation” fan

This new fan could reduce air loss, air resistance and noise, increase heat exchange efficiency.

→ 4-way air return heat exchanger technology

The 4-way air return.

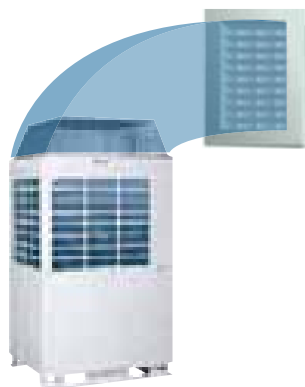
The compressor and condenser are placed in separated compartments.

This structure of outdoor unit can realize lower air resistance, higher heat efficiency and lower noise level.



STATIC PRESSURE

→ Up to 80 Pa.



ENERGY SAVE LOCK FUNCTION

→ 26°C in cooling mode, 20°C in heating mode, lock function, save operation cost.

Setting temperature fixed to 26°C, the air conditioner operation cost can reduce 10%.

At the same time, the 26°C is healthy to the human body.

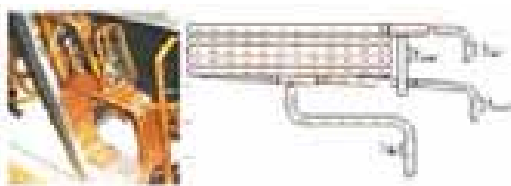


EFFICIENT PARTS

SUB-COOLING CIRCUIT

Sub-cooling circuit utilizes little refrigerant in system, and makes it a further cooling, improves sub-cooling degree of refrigerant, in can avoid energy loss due to refrigerant flash evaporating when it goes through PMV.

It will increase cooling capacity by 6%, reduce refrigerant circulation amounts, so that it can increase the efficiency of system.



EFFICIENT EXCHANGER

W-model Ø8 inner grooved tube.

Hydrophylic aluminium coil fin.

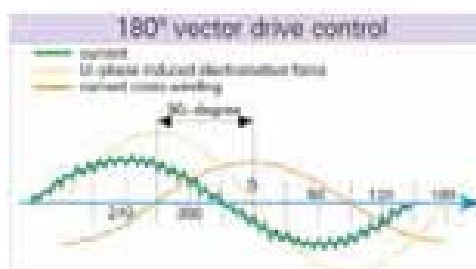
It will increase efficiency of heat exchange by 5%.



ADVANCE CONTROL TECHNOLOGY

180° VECTOR DRIVE CONTROL TECHNOLOGY

Using the power resistance to detect the position of rotor in compressor, so that the operation current of compressor close to sine wave easily.

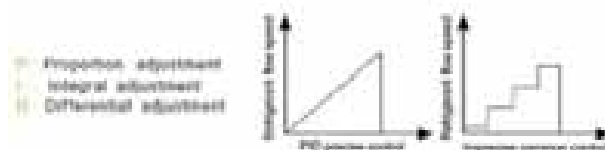


Comfort

PRECISE CONTROL

PID control

PID control adjusts the output of compressor and the open degree of EEV, balances the indoor refrigerant flow, realizes the linear output, creates a comfortable environment. The temperature could be controlled precisely.



Control

REMOTE CONTROL

Variable control mode



RCV01

Wireless remote controller (standard for wall mounted and console type).

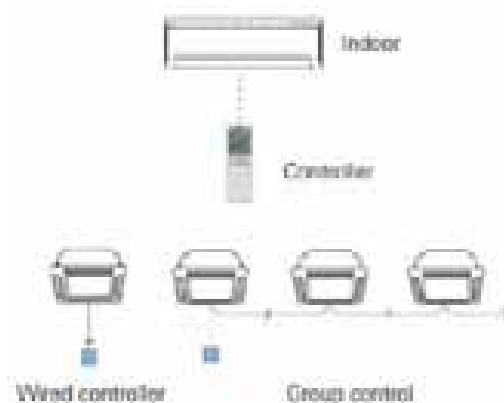
- Realize standard control function.



RWV01

Wired and group controller (standard for cassette, convertible and duct type).

- Max 16 indoor units (all the indoor units work in the same mode).
- Realize master & slave control using 2 controller.
- Set ON/OFF time.



Simple controller (optional)



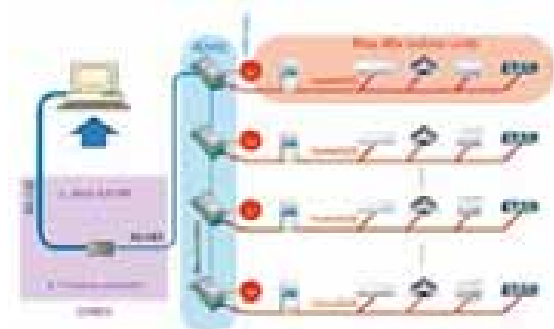
RWV03

- Max 16 indoor units (all the indoor units work in the same mode).
- Set ON/OFF time.
- Mode selection: cool/heat/fan.
- Temperature setting.
- Failure code display.

BMS CONTROL

BMV01 Simple Airwell A/C management system

- RS-485 communication length is max 1000m.
- Total connected indoor units quantity is limited 400.
- Energy pulse meter is optional.



BMV03 Network Airwell A/C management system

- Total actual connected indoor units quantity is max 1000.
- Internet remote control.
- Separate purchase parts by dealers/customers:
 - computer display;
 - energy pulse meter and printer if calculating the power consumption requested.
- Interface: BACnet and modbus.



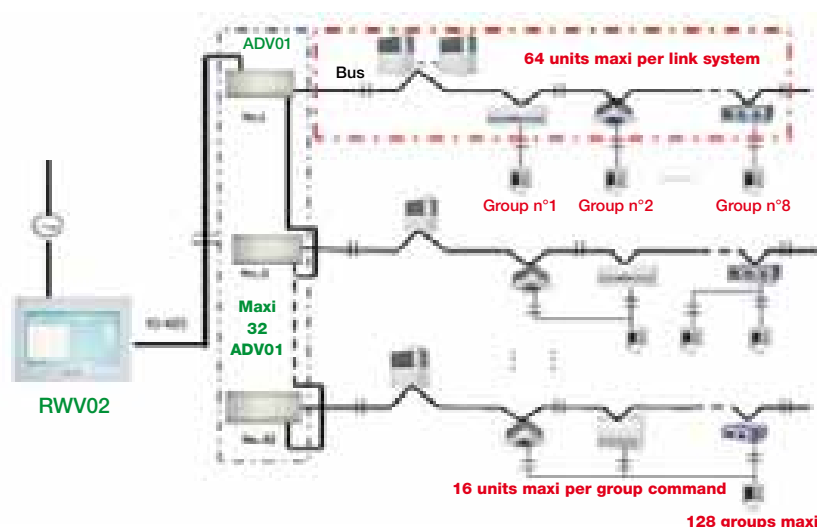
CONTROL TECHNOLOGY



RWV02

Central controller (optional)

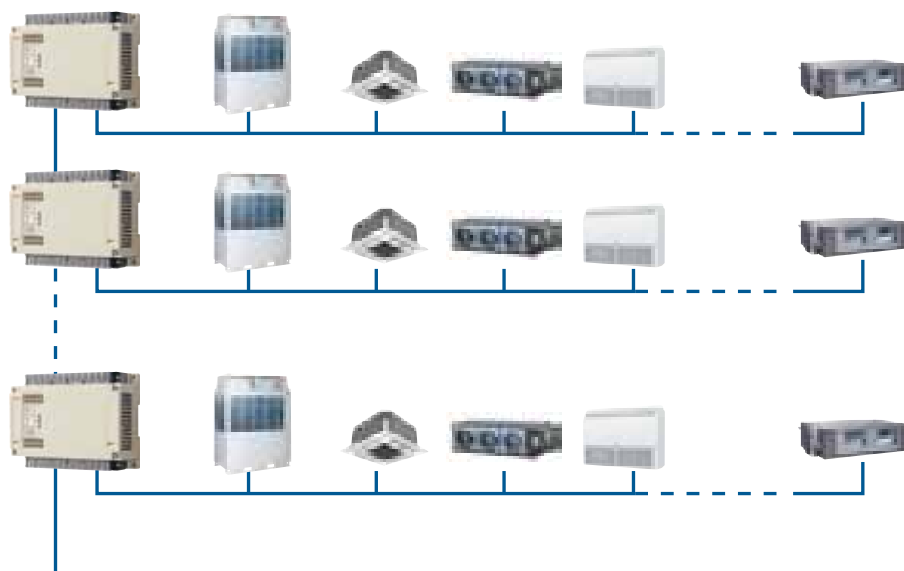
- Touch screen.
- Max RS-485 communication wire length is 1000m.
- Max connectable indoor units groups quantity is 128.
- Weekly timer function included.
- Zones creation.
- Central control mode.



MODBUS RTU



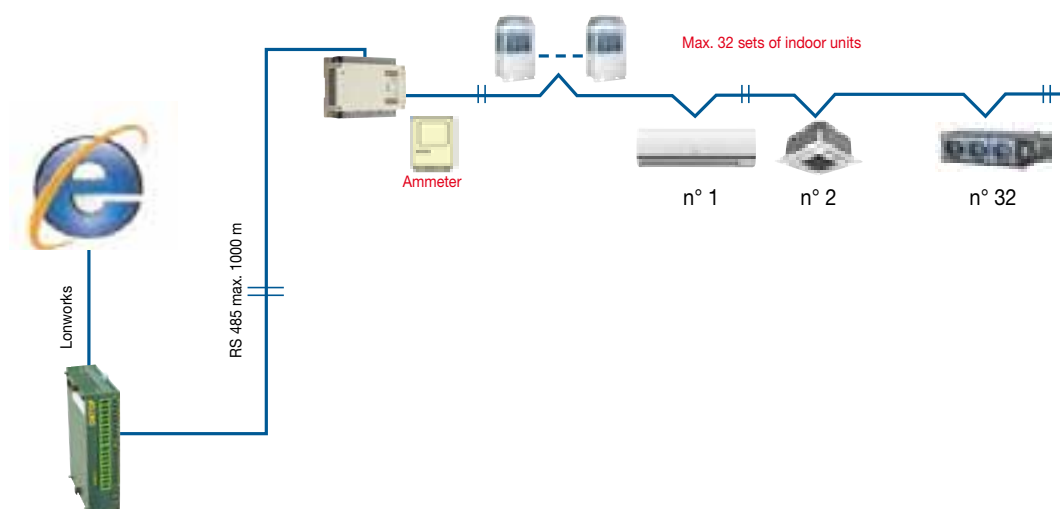
- Connect the outdoor unit to change the homebus protocol to Modbus protocol
- And then match with the ADV04 to realize the lonworks gateway function



LONWORKS PROTOCOL GATEWAY



- Every outdoor system adopt one ADV04 + ADV03
- In one system, total connected indoor units quantity is max. 32
- The ADV04 need connect external 24V DC power supply

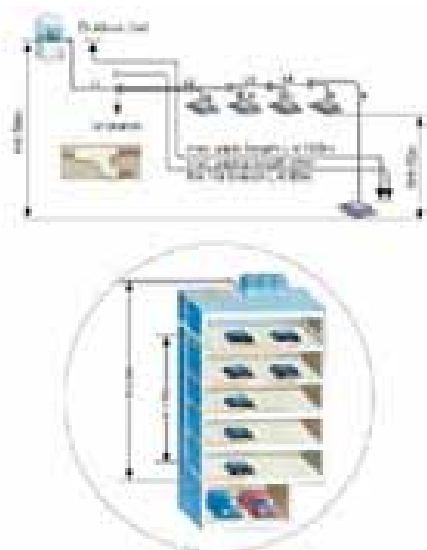


Installation

FLEXIBLE INSTALLATION

Long piping length & large drop

- Total refrigerant piping length.
- Max. 300 m refrigerant piping length.
- Max. 50 m height drop between indoor and outdoor units (outdoor unit above, 40m if outdoor unit below).
- Max. 15 m height drop between indoor units.



EASY TRANSPORTATION

Modularized design

The outdoor units' space only occupies 0.74 m² and 1.04 m², it can transport with elevators, save lots of transport cost and time.

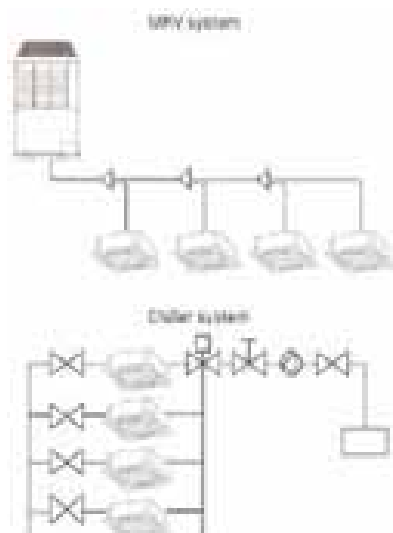
The outdoor units can be installed in different floors, save the whole system test time.



EASY INSTALLATION

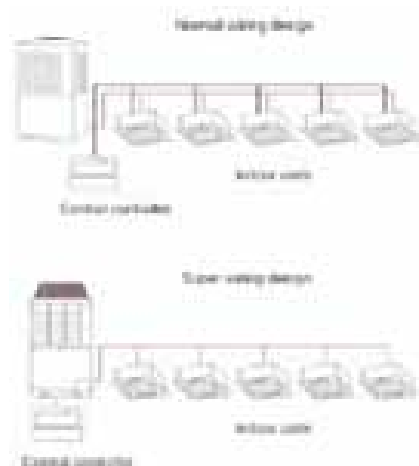
Concise system

Comparing with chiller system, without filter, stop valves, accessory, FlowLogic II units refrigerant piping greatly reduce the system installation work and save a lot of protection & clean work.



Wiring system

A wiring system is used to enable shared use of the wiring between indoor & outdoor units and the central control wiring, with a simple wiring operation. The only work you need to do is to connect the central controller to the outdoor unit directly if central controller is adopted.



Reliability

ADVANCED TECHNOLOGY

High quality DC Inverter compressor

The highly efficient Scroll compressor is equipped with a "frame compliance mechanism" that allows movement in the axial direction of the frame supporting the cradle Scroll. This greatly reduces both leakage and friction loss, ensuring very high efficiency throughout the speed range.



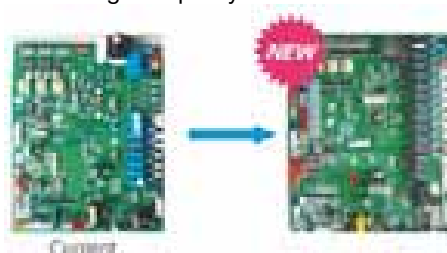
High quality Inverter module

Inverter module imported from Japan, design and evaluate according to Japanese standard (7 items, 45 specifications).



More reliable outdoor PCB

All the hardware evaluated by the expert. Part design according to Japanese design standard. Improve the process, adopt the advanced method, painted with insulation paint, and tested at high ambient temperature to make sure good quality.



DUTY CYCLING

Duty cycling of outdoor units

The outdoor units make no difference between primary unit and secondary unit. For the system which consists of more than one unit, the operating turns of units will be changed every 8 hours.

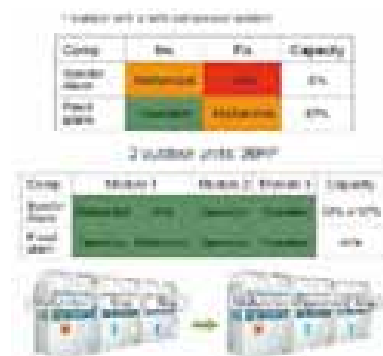
Duty cycling of outdoor units could balance the operation hours and life of each outdoor unit in order to prolong the system's life.



RELIABLE OPERATION

Backup operation

If one outdoor unit malfunction happens the other units provide emergent operation until repair achieved. In one module system, also can realize backup operation when fix speed compressor error happens. The backup operation could avoid the system close down due to one unit going wrong, it is quite reliable to use.



Auto checking malfunction

Failure codes displayed by LED by 4x7 segments display in outdoor PCB or controllers are so detailed for us to find the fail place more quickly, and can judge the failure content easily. These segments also indicated information such as pressure, current, temperature, etc...



RELIABLE TEST

Test in the development phase

- Capability and safety test
- 500 hours salt spray test
- 6 hours rain test
- 130% over-match test
- 300 m pipe length & 50m drop test
- EMC test

Test during manufacturing

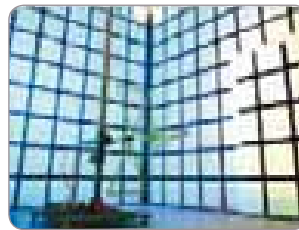
- Manufacture test
- Parts test/Leak test/Operation test/Safety test
- Outgoing test
- Visual test/Function test/Capacity test/Acoustic test
- Accessories test



Airwell products



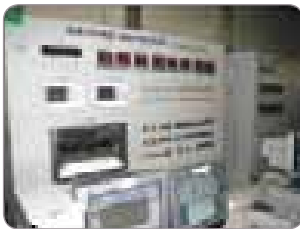
Climate simulating lab



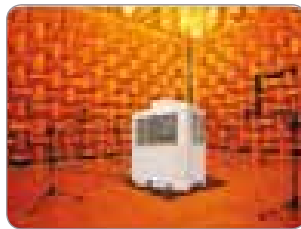
Quality EMC lab



Auto-test line



Enthalpy difference testing lab



Noise testing lab



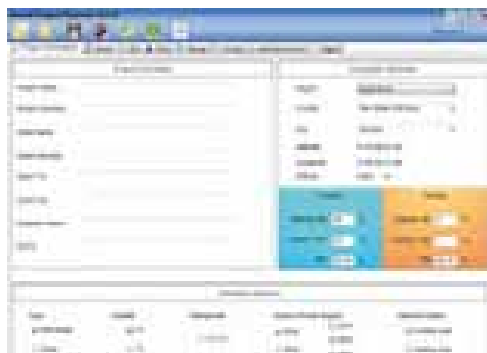
Center control



Helium leak test

Support

SOFTWARE SELECTION PROGRAM



This software supplies a solution of piping & wiring design, can help the designer select the right material lists, basic wiring diagram and control wiring diagram etc.

Airwell also offers a computer selection program for defining size, piping, wiring diagram, and list of material (this software is only a tool to assist with decision making) and the results of it is directly dependant of the input data from the customer, so these data are provided for information purpose only and should not replace a study carried out by an approval filter.

FLOWLOGIC II TECHNICAL DATA FOR 10, 12, 14 AND 16 HP

Model			AWAU-YCV280-H13	AWAU-YCV335-H13	AWAU-YCV400-H13	AWAU-YCV450-H13	
Code			7SP14H002	7SP14H003	7SP14H014	7SP14H015	
RATED CAPACITY							
Cooling			kW	28	33.5	40	45
Heating			kW	31.5	37.5	45	50
ELECTRICAL PARAMETERS							
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N
Input power	Cooling	Rated/Max current	A	11.1/23.4	14.2/24.7	19.05/28.5	20.3/31.6
		Rated/Max Input power	kW	7.36/14.7	10/15.5	11.4/17.9	13.4/19.99
	Heating	Rated/Max current	A	12.5/19	15.1/21.7	17.96/24.9	19.3/27.3
		Rated/Max Input power	kW	7.97/11.9	10/13.6	11.6/15.6	13.5/17.1
EER/COP				3.0/3.95	3.35/3.75	3.51/3.88	3.35/3.70
PERFORMANCE							
Airflow (HS)			m³/h	11100	14100	14100	14100
Noise level (HS)			dB(A)	57	60	60	60
INSTALLATION							
External dimensions (WxDxH)			mm	990x750x1808	1390x750x1808	1390x750x1808	1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990	1490x860x1990	1490x860x1990	1490x890x1990
Net/Shipping weight			kg	240/255	360/378	360/378	368/386
Compressor type				Scroll	Scroll	Scroll	Scroll
Refrigerant type				R410A	R410A	R410A	R410A
Refrigerant charge			kg	11	12	12	14.5
Tubing	Refrigerant liquid pipe		inches	3/8"	1/2"	1/2"	1/2"
	Refrigerant gas pipe		inches	7/8"	1"	1"	1"1/8
	Oil equalization pipe		inches	3/8"	3/8"	3/8"	3/8"
	Max. tube length		m	300	300	300	300
Environment temperature range	Cooling		°C	-5~43	-5~43	-5~43	-5~43
	Heating		°C	-15~21	-15~21	-15~21	-15~21
Maximum indoor units connectable			quantity	16	19	23	26


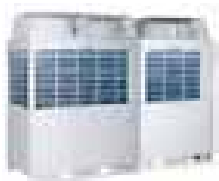
AIRWELL SOLUTIONS



DIMENSIONS



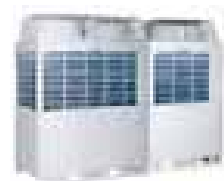
TECHNICAL DATA FOR 10-10 & 10-12 COMBINATION

Model			YCV 560		YCV 615	
Combination Model/Code			YCV 280/7SP14H002		YCV 280/7SP14H002	
			YCV 280/7SP14H002		YCV 335/7SP14H003	
						
RATED CAPACITY						
Cooling			kW	56	61.5	
Heating			kW	63	69	
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	
Input power	Cooling	Rated/Max current	A	22.2/46.8	25.3/47.75	
		Rated/Max Input power	kW	14.72/29.4	17.36/29.91	
	Heating	Rated/Max current	A	25/28	27.6/39	
		Rated/Max Input power	kW	15.94/23.8	24.37/27.6	
EER/COP				3.8/3.95	3.54/2.83	
PERFORMANCE						
Airflow (HS)			m³/h	22200	25200	
Noise level (HS)			dB(A)	60	78	
INSTALLATION						
External dimensions (WxDxH)			mm	950x750x1808 + 990x750x1808	990/750/1808 + 1390/750/1808	
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1090x860x1990	1090/860/1990 + 1490/860/1990	
Net/Shipping weight			kg	480/510	600/633	
Compressor type				Scroll	Scroll	
Refrigerant type				R410A	R410A	
Refrigerant charge			kg	22	20	
Tubing	Refrigerant liquid pipe		inches	5/8"	5/8"	
	Refrigerant gas pipe		inches	1"1/8	1"1/8	
	Oil equalization pipe		inches	3/8"	3/8"	
	Max. tube length		m	300	300	
Environment temperature range	Cooling		°C	-5~43	-5~43	
	Heating		°C	-15~21	-15~21	
Maximum indoor units connectable			quantity	33	36	

AIRWELL SOLUTIONS



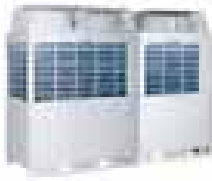

TECHNICAL DATA FOR 10-14 COMBINATION

Model			YCV 680	
Combination Model/Code			YCV 280/7SP14H002	
			YCV 400/7SP14H004	
				
RATED CAPACITY				
Cooling			kW	68
Heating			kW	76.5
ELECTRICAL PARAMETERS				
Power supply			Ph/V/Hz	3/380~400/50-60-N
Input power (A)	Cooling	Rated/Max current		30.15/51.9
		Rated/Max Input power		18.76/32.6
	Heating	Rated/Max current		30.46/43.9
		Rated/Max Input power		19.57/27.5
EER/COP				3.62/3.90
PERFORMANCE				
Airflow (HS)			m³/h	25200
Noise level (HS)			dB(A)	61
INSTALLATION				
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990
Net/Shipping weight			kg	600/633
Compressor type				Scroll
Refrigerant type				R410A
Refrigerant charge			kg	23
Tubing	Refrigerant liquid pipe		inches	5/8"
	Refrigerant gas pipe		inches	1"1/8
	Oil equalization pipe		inches	3/8"
	Max. tube length		m	300
Environment temperature range	Cooling		°C	-5~43
	Heating		°C	-15~21
Maximum indoor units connectable			quantity	39

AIRWELL SOLUTIONS



TECHNICAL DATA FOR 10-16, 14-14 & 14-16 COMBINATIONS


Model			YCV 730	YCV 800	YCV 850	
Combination Model/Code			YCV 280/7SP14H002	YCV 400/7SP14H004	YCV 400/7SP14H004	
			YCV 450/7SP14H005	YCV 400/7SP14H004	YCV 450/7SP14H005	
						
RATED CAPACITY						
Cooling			kW	73	78.5	85
Heating			kW	81.5	87.5	95
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N
Input power (A)	Cooling	Rated/Max current		31.4/55	34.5/56.3	39.35/60.1
		Rated/Max Input power		20.76/34.69	23.4/35.49	24.8/37.89
	Heating	Rated/Max current		31.8/46.3	34.4/49	37.26/52.2
		Rated/Max Input power		21.47/29	23.5/30.7	25.1/32.7
EER/COP				3.52/3.79	3.35/3.72	3.43/3.78
PERFORMANCE						
Airflow (HS)			m³/h	25200	28200	28200
Noise level (HS)			dB(A)	61	62	62
INSTALLATION						
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	608/641	728/756	728/764
Compressor type				Scroll	Scroll	Scroll
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	25.5	26.5	26.5
Tubing	Refrigerant liquid pipe	inches	3/4"	3/4"	3/4"	
	Refrigerant gas pipe	inches	1"1/4	1"1/4	1"1/4	
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	
	Max. tube length	m	300	300	300	
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	43	46	50

AIRWELL SOLUTIONS



TECHNICAL DATA

FOR 16-16, 10-10-14 & 10-10-16 COMBINATIONS

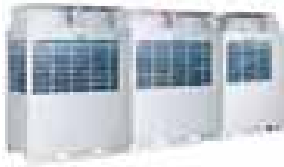
Model			YCV 900	YCV 960	YCV 1010	
Combination Model/Code			YCV 450/7SP14H005	YCV 280/7SP14H002	YCV 280/7SP14H002	
			YCV 450/7SP14H005	YCV 280/7SP14H002	YCV 280/7SP14H002	
			-	YCV 400/7SP14H004	YCV 450/7SP14H005	
						
RATED CAPACITY						
Cooling			kW	90	96	101
Heating			kW	100	108	113
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N
Input power (A)	Cooling	Rated/Max current		40.6/63.2	41.25/75.3	42.5/78.4
		Rated/Max Input power		26.8/39.98	26.12/47.3	28.12/49.39
	Heating	Rated/Max current		38.6/54.6	42.96/62.9	44.3/65.3
		Rated/Max Input power		27/34.2	27.54/39.4	29.4/40.9
EER/COP				3.36/3.70	3.67/3.92	3.59/3.84
PERFORMANCE						
Airflow (HS)			m³/h	28200	36300	36300
Noise level (HS)			dB(A)	62	63	63
INSTALLATION						
External dimensions (WxDxH)			mm	1390x750x1808 + 1390x750x1808	950x750x1808 + 950x750x1808 + 1390x750x1808	950x750x1808 + 950x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1490x860x1990 + 1490x860x1990	1090x860x1990 + 1090x860x1990 + 1490x860x1990	1090x860x1990 + 1090x860x1990 + 1490x860x1990
Net/Shipping weight			kg	736/772	840/888	848/896
Compressor type				Scroll	Scroll	Scroll
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	29	34	36.5
Tubing	Refrigerant liquid pipe	inches	3/4"	3/4"	3/4"	
	Refrigerant gas pipe	inches	1"1/4	1"1/4	1"1/2	
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	
	Max. tube length	m	300	300	300	
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	53	56	59

AIRWELL SOLUTIONS



TECHNICAL DATA

FOR 10-14-14, 10-14-16 & 10-16-16 COMBINATIONS


Model			YCV 1080	YCV 1130	YCV 1180	
Combination Model/Code			YCV 280/7SP14H002	YCV 280/7SP14H002	YCV 280/7SP14H002	
			YCV 400/7SP14H004	YCV 400/7SP14H004	YCV 450/7SP14H005	
			YCV 400/7SP14H004	YCV 450/7SP14H005	YCV 450/7SP14H005	
						
RATED CAPACITY						
Cooling			kW	106.5	113	118
Heating			kW	119	126.5	131.5
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N
Input power (A)	Cooling	Rated/Max current		45.6/79.7	50.45/83.5	51.7/86.6
		Rated/Max Input power		30.76/50.19	32.16/52.69	34.16/54.68
	Heating	Rated/Max current		46.9/68	49.76/71.2	51.1/73.6
		Rated/Max Input power		31.47/42.6	33.07/44.6	34.97/46.1
EER/COP				3.46/3.78	3.51/3.82	3.45/3.76
PERFORMANCE						
Airflow (HS)			m³/h	39300	39300	39300
Noise level (HS)			dB(A)	63	63	63
INSTALLATION						
External dimensions (WxDxH)			mm	950x750x1808 + 1390x750x1808 + 1390x750x1808	950x750x1808 + 1390x750x1808 + 1390x750x1808	950x750x1808 + 1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1090x860x1990 + 1490x860x1990 + 1490x860x1990	1090x860x1990 + 1490x860x1990 + 1490x860x1990	1090x860x1990 + 1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	968/1011	968/1019	976/1027
Compressor type				Scroll	Scroll	Scroll
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	37.5	37.5	40
Tubing	Refrigerant liquid pipe	inches	3/4"	3/4"	3/4"	
	Refrigerant gas pipe	inches	1"1/2	1"1/2	1"1/2	
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	
	Max. tube length	m	300	300	300	
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	63	64	64

AIRWELL SOLUTIONS



TECHNICAL DATA

FOR 12-16-16, 14-16-16 & 16-16-16 COMBINATIONS

Model			YCV 1235	YCV 1300	YCV 1350	
Combination Model/Code			YCV 335/7SP14H003	YCV 400/7SP14H004	YCV 450/7SP14H005	
			YCV 450/7SP14H015	YCV 450/7SP14H005	YCV 450/7SP14H005	
			YCV 450/7SP14H015	YCV 450/7SP14H005	YCV 450/7SP14H005	
						
RATED CAPACITY						
Cooling			kW	123.5	130	135
Heating			kW	137.5	145	150
ELECTRICAL PARAMETERS						
Power supply			Ph/V/Hz	3/380~400/50-60-N	3/380~400/50-60-N	3/380~400/50-60-N
Input power (A)	Cooling	Rated/Max current		54.8/92.64	59.65/91.7	60.9/94.8
		Rated/Max Input power		36.8/58.5	38.2/57.88	40.2/59.97
	Heating	Rated/Max current		53.7/80.1	56.56/79.5	57.9/81.9
		Rated/Max Input power		37/50.2	38.6/49.8	40.5/51.3
EER/COP				3.35/3.72	3.40/3.75	3.35/3.70
PERFORMANCE						
Airflow (HS)			m³/h	42300	42300	42300
Noise level (HS)			dB(A)	64	64	64
INSTALLATION						
External dimensions (WxDxH)			mm	1390/750/1808+ 1390/750/1808+ 1390/750/1808	1390x750x1808 + 1390x750x1808 + 1390x750x1808	1390x750x1808 + 1390x750x1808 + 1390x750x1808
Shipping dimensions (WxDxH)			mm	1490/860/1990+ 1490/860/1990+ 1490/860/1990	1490x860x1990 + 1490x860x1990 + 1490x860x1990	1490x860x1990 + 1490x860x1990 + 1490x860x1990
Net/Shipping weight			kg	1096/1150	1096/1150	1104/1158
Compressor type				Scroll	Scroll	Scroll
Refrigerant type				R410A	R410A	R410A
Refrigerant charge			kg	30	41	43.5
Tubing	Refrigerant liquid pipe	inches	3/4"	3/4"	3/4"	
	Refrigerant gas pipe	inches	1"1/2	1"1/2	1"1/2	
	Oil equalization pipe	inches	3/8"	3/8"	3/8"	
	Max. tube length	m	300	300	300	
Environment temperature range	Cooling	°C	-5~43	-5~43	-5~43	
	Heating	°C	-15~21	-15~21	-15~21	
Maximum indoor units connectable			quantity	64	64	64

AIRWELL SOLUTIONS





HAV

HIGH WALL

- EEV inside put: The EEV box inside put, easy for installation.
- High-quality DC fan motor: Reduce the indoor unit noise greatly.
- New fashion design.
- Infrared remote controller included.

RCV01
(STD)

HAV TECHNICAL DATA

Indoor units		AWSI-HAV007-N11	AWSI-HAV009-N11	AWSI-HAV012-N11	AWSI-HAV018-N11	AWSI-HAV024-N11
Code		7SP02H001	7SP02H002	7SP02H003	7SP02H005	7SP02H006
RATED CAPACITY						
Cooling	kBtu/h	7.5	9.5	12.3	19.1	24.2
	kW	2.2	2.8	3.6	5.6	7.1
Heating	kBtu/h	8.5	10.9	13.6	21.5	27.3
	kW	2.5	3.2	4	6.3	8
ELECTRICAL PARAMETERS						
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE						
Airflow	m ³ /h	600	600	600	800	1000
Noise level (LS/MS/HS)	dB(A)	31/33/37	31/34/37	33/36/41	34/39/43	38/42/47
INSTALLATION						
External dimensions (WxHxD)	mm	938x265x187	938x265x187	938x265x187	1046x299x234	1046x299x234
Shipping dimensions (WxHxD)	mm	1016x360x304	1016x360x304	1016x360x304	1126x388x344	1126x388x344
Net/Shipping weight	kg	10.9/12.6	10.9/12.6	10.9/12.6	13/16.5	13/16.5
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	1/2"	1/2"	5/8"	5/8"

AIRWELL SOLUTIONS



Dimensions: 007-009-012 models



Dimensions: 018-024 models





CBV

CASSETTE 600x600

- Quiet operation
- Built-in high head drain pump
- Fresh air inlet
- Wired controller RWW01 included
- EEV inside
- Automatic swing

PRODUCT ADVANTAGES

- The cassette external dimension is 570x570x260mm for easy installation. It is universal and harmony with standard ceiling 600x600mm. There is no breakage for ceiling during installation.
- Airflow pass through the outlet smoothly and fluently owing to the streamline air outlet. Bring you a much more quiet space. The fan blade adopts the design of irregular helix. The indoor unit can run at the lowest sound level.
- Built-in high head pump drains water automatically. A standard drain-head height of up to 600 mm is possible, creating the ideal solution for perfect water drainage.
- Pre-set fresh air inlet, can introduce the outside fresh air into the room, greatly improve the indoor air quality (optional).



RWW01 (STD)



RCV01 (optional)



RWW03 (optional)



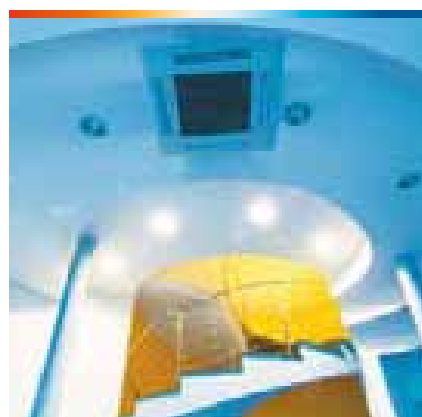
RWW04 (optional)

CBV TECHNICAL DATA

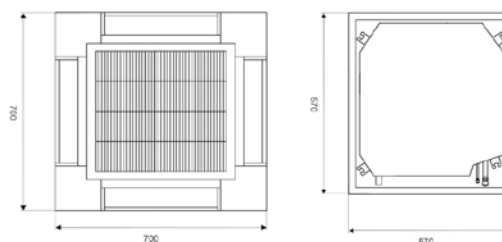
Indoor units		AWSI-CBV009-N11	AWSI-CBV012-N11	AWSI-CBV016-N11
Code		7SP04H001	7SP04H002	7SP04H003
RATED CAPACITY				
Cooling	kBtu/h	9.5	12.3	15.3
	kW	2.8	3.6	4.5
Heating	kBtu/h	10.9	13.6	17.1
	kW	3.2	4	5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	700	700	700
Noise level (LS/MS/HS)	dB(A)	29/30/32	29/30/32	29/30/33
INSTALLATION				
External dimensions (WxHxD)	mm	570x570x260	570x570x260	570x570x260
Shipping dimensions (WxHxD)	mm	718x680x380	718x680x380	718x680x380
Net/Shipping weight	kg	19/21	19/21	19/21
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"
Refrigerant gas pipe	inches	3/8"	1/2"	1/2"
PANEL				
Code panel		7ACVFH001	7ACVFH001	7ACVFH001
External dimensions (WxHxD)	mm	700x700x60	700x700x60	700x700x60
Shipping dimensions (WxHxD)	mm	740x750x115	740x750x115	740x750x115
Net/Shipping weight	kg	2.8/4.8	2.8/4.8	2.8/4.8

Please contact Airwell before ordering unit with wired control application option.

AIRWELL SOLUTIONS



Dimensions: 009-012-016 models





CCV

CASSETTE 900x900

- Compact design
- Advance structure facilitating cleaning and installation
- Fresh air inlet
- EEV inside
- Wired controller RWW01 included
- Automatic swing
- IR receipt included

PRODUCT ADVANTAGES

- Adopts the compact design the thick of the main body is only 240 mm. So even the inner space of the ceiling is narrow the unit can also be installed easily.
- The suction grille can be rotated by 90° and its installation direction can be selected randomly.
- Pre-set fresh air inlet, can introduce the outside fresh air into the room, greatly improve the indoor air quality (optional).
- From small to big size use the same appearance panel, harmony with the environment and with consistence appearance.

CCV TECHNICAL DATA

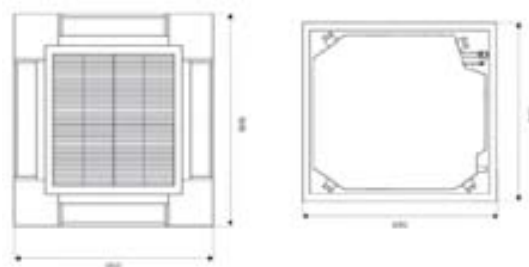
Indoor units		AWSI-CCV018-N11	AWSI-CCV024-N11	AWSI-CCV030-N11	AWSI-CCV048-N11
Code		7SP04H004	7SP04H005	7SP04H007	7SP04H009
RATED CAPACITY					
Cooling	kBtu/h	19.1	24.2	30.7	47.7
	kW	5.6	7.1	9	14
Heating	kBtu/h	21.5	27.3	34.1	54.6
	kW	6.3	8	10	16
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1/220-230/50	1/220-230/50	1/220-230/50	1/220-230/50
PERFORMANCE					
Airflow	m³/h	1200	1200	1800	1800
Noise level (LS/MS/HS)	dB(A)	30/32/34	31/35/34	31/35/37	35/39/42
INSTALLATION					
External dimensions (WxHxD)	mm	840x840x240	840x840x240	840x840x295	840x840x295
Shipping dimensions (WxHxD)	mm	930x930x330	930x930x330	930x930x390	930x930x390
Net/Shipping weight	kg	30/36	30/36	38/40	38/40
Refrigerant liquid pipe	inches	1/4"	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	5/8"	5/8"	5/8"
PANEL					
Code panel		7ACVFH002	7ACVFH002	7ACVFH002	7ACVFH002
External dimensions (WxHxD)	mm	950x950x80	950x950x80	950x950x80	950x950x80
Shipping dimensions (WxHxD)	mm	985x985x115	985x985x115	985x985x115	985x985x115
Net/Shipping weight	kg	6/9	6/9	6/9	6/9

Please contact Airwell before ordering unit with wired control application option.

AIRWELL SOLUTIONS



Dimensions: 018-024-030-048 models





FAV FLOOR CEILING

- Ultra-thin unit body, only thick 199mm
- Wide-angle airflow
- Quiet running
- EEV inside
- Wired controller RWV01 included
- Automatic swing

PRODUCT ADVANTAGES

- The convertible indoor unit adopts a double drain pan design. The unit body is very thin, only 199mm. It is beautiful, elegant and space saving.
- 100° wide angle louvers and 70° wide angle blades design to make a precise control of the airflow. It averagely distributes the comfortable air to every corner of the room.
- Thanks to the low sound level centrifugal fan, the unit always works quietly so as to give more comfort to life.

FAV TECHNICAL DATA

Indoor units		AWSI-FAV012-N11	AWSI-FAV018-N11	AWSI-FAV024-N11
Code		7SP02H008	7SP02H010	7SP02H011
RATED CAPACITY				
Cooling	kBtu/h	12.3	19.1	24.2
	kW	3.6	5.6	7.1
Heating	kBtu/h	13.6	21.5	27.3
	kW	4	6.3	8
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	800	800	800
Noise level (LS/MS/HS)	dB(A)	44/46/48	44/46/48	44/46/48
INSTALLATION				
External dimensions (WxHxD)	mm	990x665x199	990x665x199	990x665x199
Shipping dimensions (WxHxD)	mm	1150x750x300	1150x750x300	1150x750x300
Net/Shipping weight	kg	28.3/34.3	28.3/34.3	28.3/34.3
Refrigerant liquid pipe	inches	1/4"	1/4"	3/8"
Refrigerant gas pipe	inches	1/2"	1/2"	5/8"

Please contact Airwell before ordering unit with wired control application option.



RWV01
(STD)



RCV01
(optional)

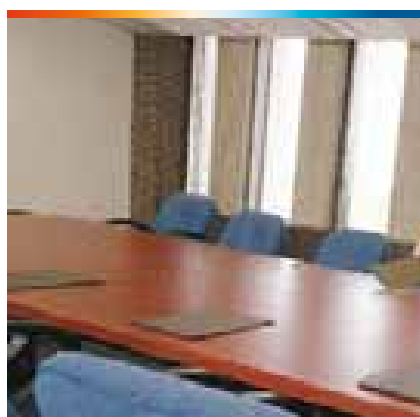


RWV03
(optional)

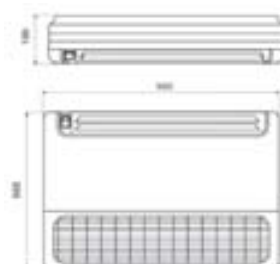


RWV04
(optional)

AIRWELL SOLUTIONS



Dimensions: 012-018-024 models





DAV 009-012



DAV 016



DAV

DUCTED LOW STATIC PRESSURE

- 220 ultra thin design and space saving
- Optional air return design
- High efficiency filter G3
- EEV inside
- Wired controller RWW01 included on standard
- Ideal for hotel

PRODUCT ADVANTAGES

- Ultra thick design make all the models have only 220 mm height. It is more convenient for installation and maintenance.
- The indoor unit placed in the ceiling only the inlet and outlet grill can be seen. The most suited grill can be used to fit with the indoor decoration.
- There are two air return design for the different requestment. Let the decoration more optional.
- Two choice of optional static pressure 0 Pa and 20 Pa for the low static pressure duct make user more convenient.
- The unit adopts G3 grade filter which can efficiency filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.

DAV TECHNICAL DATA

Indoor unit		AWSI-DAV009-N11	AWSI-DAV012-N11	AWSI-DAV016-N11
Code		7SP03H002	7SP03H003	7SP03H004
RATED CAPACITY				
Cooling	kBtu/h	9.5	12.3	15.3
	kW	2.8	3.6	4.5
Heating	kBtu/h	10.9	13.6	17.1
	kW	3.2	4	5
ELECTRICAL PARAMETERS				
Power supply		Ph/V/Hz	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m³/h	400	500	850
Noise level (LS/MS/HS)	dB(A)	30/32/35	30/32/35	30/32/35
INSTALLATION				
External dimensions (WxHxD)	mm	610x484x220	610x484x220	1090x484x220
Shipping dimensions (WxHxD)	mm	710x545x280	710x545x280	1174x545x280
Net/Shipping weight	kg	15/17	16/19	25/27
Refrigerant liquid pipe	inches	1/4"	1/4"	1/4"
Refrigerant gas pipe	inches	3/8"	3/8"	3/8"
Static pressure	Pa	20	20	20

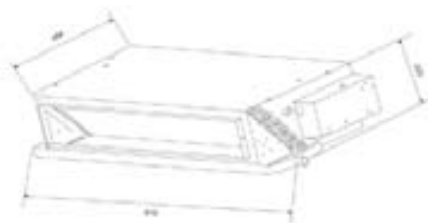
Please contact Airwell before ordering unit with wired control application option.



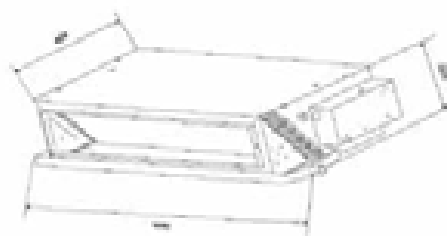
RWW01 (STD)

RCV01
(optional)(infrared
receiver to
combined
with RCV 01)RWW03
(optional)RWW04
(optional)

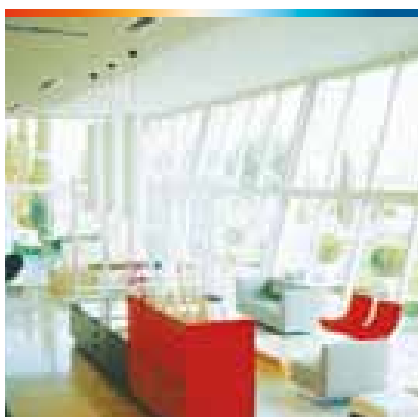
Dimensions: 009-012 models



Dimensions: 016 model



AIRWELL SOLUTIONS





DBV 018-028



DBV 038



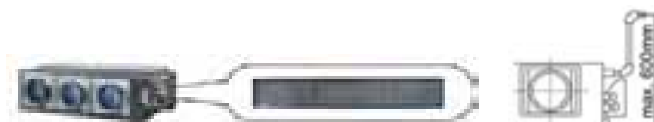
DBV

DUCTED MEDIUM STATIC PRESSURE

- Flexible static pressure selection, meet the customers' personal requests
- High efficiency filter G3
- Special up-drainage water pump
- EEV inside
- Wired controller RWW01 included
- Plenum for air outlet provided: - 3 Ø200 sizes 018 and 028
- 4 Ø200 size 038

PRODUCT ADVANTAGES

- The unit has standard static pressure (0-50 Pa) & middle static pressure (50-96 Pa) two choices, flexible air supply mode, make the installation more free and meet different personal requests.
- The unit adopts G3 grade filter which can efficiently filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.
- The unit has a water pump whose the max. drainage height can be up to 600 mm.



RWW01 (STD)



RCV01 (optional)



(infrared receiver to combined with RCV 01)



RWW03 (optional)



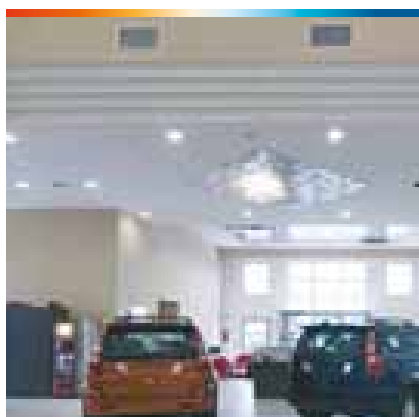
RWW04 (optional)

DBV TECHNICAL DATA

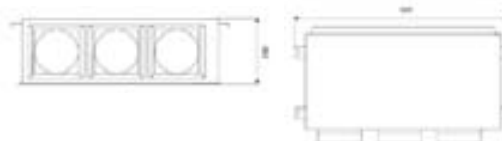
Indoor units		AWSI-DBV018-N11	AWSI-DBV024-N11	AWSI-DBV028-N11	AWSI-DBV038-N11
Code		7SP03H007	7SP03H008	7SP03H009	7SP03H011
RATED CAPACITY					
Cooling	kBtu/h	19.1	24.2	27.3	38.2
	kW	5.6	7.1	8	11.2
Heating	kBtu/h	21.5	27.3	30.7	42.6
	kW	6.3	8	9	12.5
ELECTRICAL PARAMETERS					
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE					
Airflow	m³/h	1200	1200	1200	1900
Noise level (LS/MS/HS)	dB(A)	35/37/43	35/37/43	35/37/43	35/37/43
INSTALLATION					
External dimensions (WxHxD)	mm	990x650x300	990x650x300	990x650x300	1410x645x350
Shipping dimensions (WxHxD)	mm	1167x860x345	1167x860x345	1167x860x345	1557x800x370
Net/Shipping weight	kg	39/45	39/45	39/45	59/66
Refrigerant liquid pipe	inches	1/4"	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	1/2"	5/8"	5/8"	5/8"
Static pressure	Pa	50	50	50	50

Please contact Airwell before ordering unit with wired control application option.

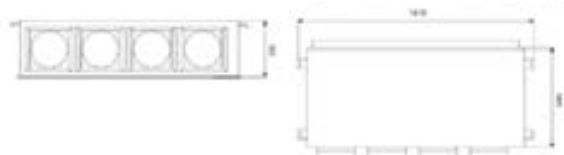
AIRWELL SOLUTIONS

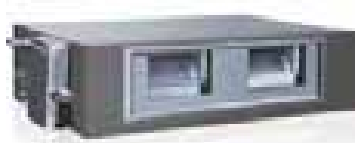


Dimensions: 018-024-028 models



Dimensions: 038 model





DCV 048



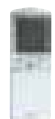
DCV 072-096



R410A FLUID



RWW01 (STD)

RCV01
(optional)RWW03
(optional)RWW04
(optional)

DCV

DUCTED HIGH STATIC PRESSURE

- High efficiency filter
- Free setting of air discharge duct
- Multi install mode
- High external static pressure design

PRODUCT ADVANTAGES

- The number of the airflow outlet and its installation position can be freely selected according to the environment of the room, sufficiently considering the load of the room and the uniform temperature of the room to realize more perfect comfort.
- The indoor unit can be installed with an air return duct or without an air return duct according to the installation need.
- Max. external static pressure of 196 Pa brings the quick temperature adjustment to the room. Adopts high pressure fan to provide quick speed of air blowing while keeping a low sound level and ensuring a good air circulation of the whole indoor space.
- The unit adopts G3 grade filter which can efficiently filter the dirt etc., and improve the room air quality. At the same time, the filter can be pulled out from downside, convenient for maintenance and cleaning.

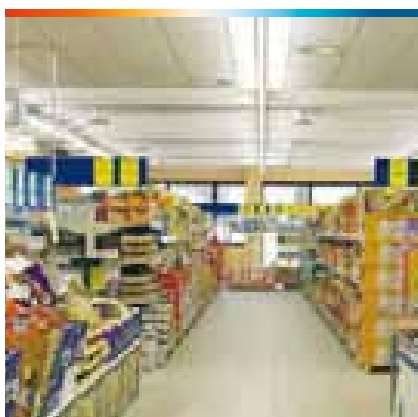


DCV TECHNICAL DATA

Indoor unit		AWSI-DCV048-N11	AWSI-DCV072-N11	AWSI-DCV096-N11
Code		7SP03H018	7SP03H019	7SP03H020
RATED CAPACITY				
Cooling	kBtu/h	47.7	77.1	95.5
	kW	14	22.6	28
Heating	kBtu/h	54.6	85.3	108.5
	kW	16	25	31.5
ELECTRICAL PARAMETERS				
Power supply	Ph/V/Hz	1/220~230/50	1/220~230/50	1/220~230/50
PERFORMANCE				
Airflow	m ³ /h	2100	4050	4050
Noise level (LS/HS)	dB(A)	40/45	49/54	49/54
INSTALLATION				
External dimensions (WxHxD)	mm	1197x360x830	1570x360x880	1570x360x880
Shipping dimensions (WxHxD)	mm	1430x420x940	1800x525x1000	1800x525x1000
Net/Shipping weight	kg	62/77	100/111	100/111
Refrigerant liquid pipe	inches	3/8"	3/8"	3/8"
Refrigerant gas pipe	inches	5/8"	5/8" x 2	5/8" x 2
Static pressure	Pa	196	196	196

Please contact Airwell before ordering unit with wired control application option.

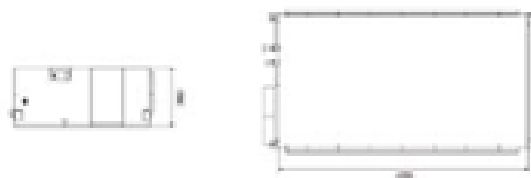
AIRWELL SOLUTIONS



Dimensions: 048 model



Dimensions: 072-096 models





EAV CONSOLE

- High efficiency filter
- Quiet running
- Compact unit body and space saving
- Fast temperature adjustment
- EEV inside
- Blowing up and down
- Wireless controller included

[PRODUCT ADVANTAGES]

- The unit adopts high efficiency filter, can efficiently filter the dirt etc., and improve the room air quality.
- Thanks to the low sound level centrifugal fan, the unit always works quietly so as to give more comfort to life.
- The unit body is very thin and harmonious with room. It is beautiful, elegant and space saving.
- Air supplying from top or the bottom of the unit body for fast temperature adjustment.

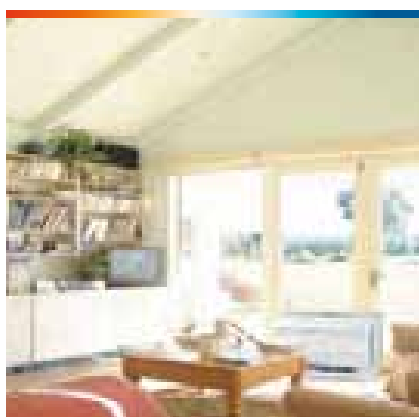


RCV01
(STD)

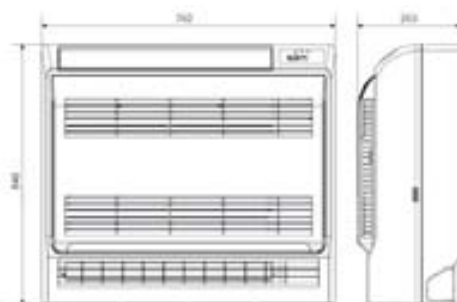
EAV TECHNICAL DATA

Indoor unit		AWSI-EAV012-N11
Code		7SP05H002
RATED CAPACITY		
Cooling	kBtu/h	12.3
	kW	3.6
Heating	kBtu/h	13.6
	kW	4
ELECTRICAL PARAMETERS		
Power supply	Ph/V/Hz	1/220~230/50
PERFORMANCE		
Airflow	m³/h	520
Noise level (LS/MS/HS)	dB(A)	36/39/43
INSTALLATION		
External dimensions (WxHxD)	mm	762x640x253
Shipping dimensions (WxHxD)	mm	784x719x305
Net/Shipping weight	kg	18/20
Refrigerant liquid pipe	inches	1/4"
Refrigerant gas pipe	inches	1/2"

AIRWELL SOLUTIONS



Dimensions: 012 model



Accessories

TOUCH SCREEN CENTRAL CONTROLLER RWV02

MAIN FEATURES AND FUNCTIONS

Central controller RWV02 mainly design for Amazon series system.

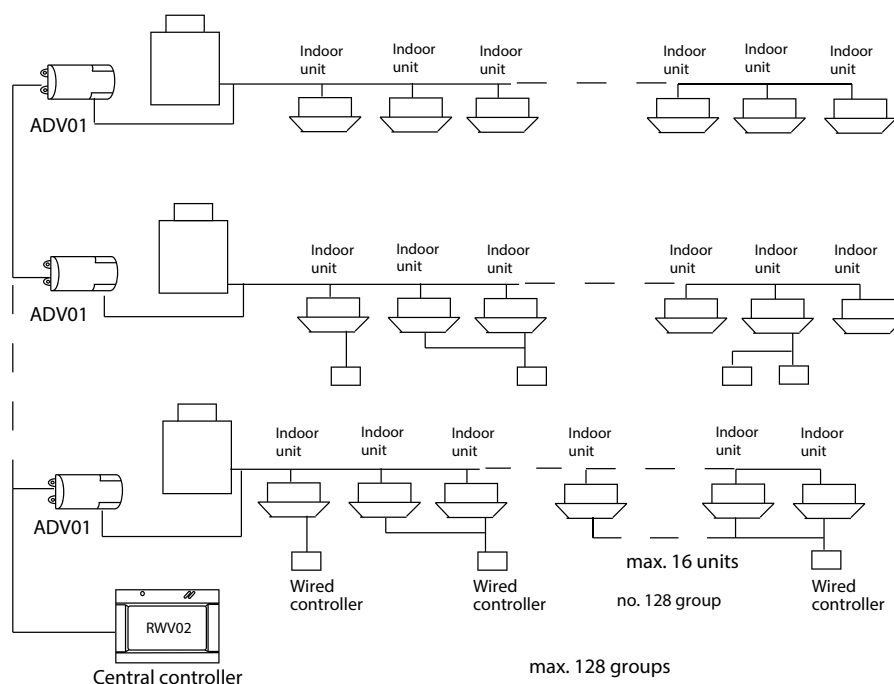
Can control and monitor the indoor units condition, maximum can control 128 groups, each group can maximum connect to 16 indoor units. All the controls, such as individual control, zone control, time setting, timer setting etc., can be realized by touch screen.

Connecting diagram as follows:



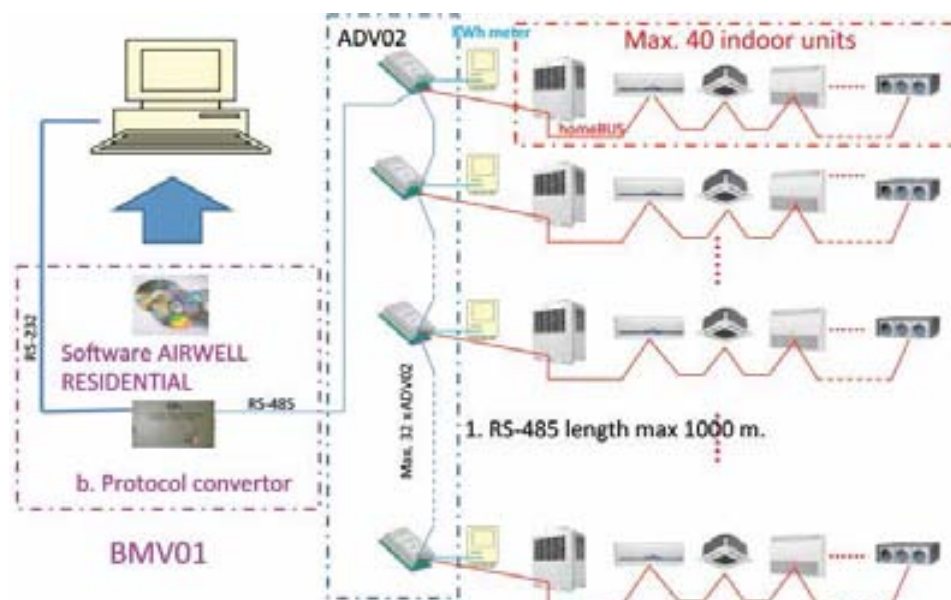
Main functions are:

- Maximum can monitor 128 groups indoor unit operation mode, airflow speed, temp., setting, ON/OFF, error code display, etc. condition.
- Can set mode, airflow speed, temp., etc. for individual/zone/all.
- Can check indoor unit real temp., pipe temp. etc. parameters.
- Can set LIFO (Last enter have high priority), central control, lock, etc., 3 types of operation modes.
- Can monitor the indoor units malfunction and save the error code for future checking.
- Weekly timer setting.
- Can set random units groups to one zone, maximum can set 128 groups to one zone, after set zone, each indoor unit of this zone can have same operation status (default setting: one group is one zone).



BMS

BMS system H-CACSII transfers the data of air conditioner to the computer through the inverter protocol adapter (ADV02), and the user can monitor the working state and the power consumption of indoor and outdoor on real time at the computer. Set the parameter of system in time; start or stop a certain indoor individually, or in group as the request; receive the alarm and make some measures on real time; deal with the data and make some cost account tables.



APPLICABLE FOR AMAZON VRF SYSTEM

→ System combination

- Inverter protocol adapter (ADV02): Transforms the air conditioner protocol into protocol 485; receives ammeter pulse signal; accounts and saves the power cost of the connected system, then transfers it to the computer.
- Software: parameter displays and human-computer operation surface, and accounts and saves the power cost, output the cost table.
- RS 485&232 converter (hardware), Item 2 & 3 name is BMV01.

→ Control range

- If the H-CACSII is necessary, pay attention that the indoor quantity of every system cannot be over 40 sets. Or the adapter can not work normally.
- Every system needs one protocol adapter.
- One Microsoft can control indoors within 400 sets.

APPLICABLE RANGE AND RELATIVE CERTIFICATE

→ Applicable range

- Temp. range: -30°C~52°C
- Ambient temperature of controller: -30°C~52°C
- Ambient humidity of controller: 10%~85%
- Save temp. range of controller: -30°C~52°C
- Altitude: 0~6000m
- Voltage: 220Vac±10%
- Frequency: 50Hz

→ Safe certificate: conform with HR and CCC

→ Environment certificate: conform with ROHS

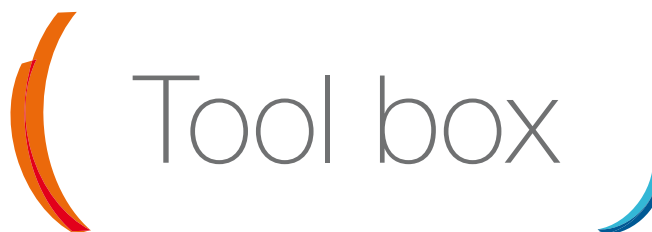
RELIABLE REQUEST

→ Application standards: QB1238-91, GB4706.1-92, GB4706.12-95

→ Special requirement

[NAME]		Photo	Code	Model
CONTROLLERS	INFRARED CONTROLLER		7ACELH001	RCV01
	INFRARED CONTROLLER RECEIVER		7ACELH009	REC01
	WIRED STANDARD CONTROLLER		7ACELH002	RWV01
	SIMPLIFIED CONTROLLER		7ACELH008	RWV03
	WIRED CONTROL WEEKLY TIMER		7ACELH010	RWV04
	CENTRAL CONTROLLER "TOUCH SCREEN"		7ACELH003	RWV02
	CONNECTING BOARD		7ACELH004	ADV01
	INVERTER PROTOCOL ADAPTATER		7ACELH007	ADV02
	MODBUS GATEWAY		7ACELH011	ADV03
	LONWORKS GATEWAY		7ACELH012	ADV04
	RS485&232 CONVERTER + SOFTWARE		7ACELH005	BMV01
	PROTOCOL BACNET IP/MSTP + PROTOCOL MODBUS RTU/TCP		7ACELH013	BMV03
TUBING ACCESSORIES	GATHER PIPE		7ACFHH005	TAS20
	GATHER PIPE		7ACFHH006	TAS30
	MANIFOLD PIPE		7ACFHH001	TAU335
	MANIFOLD PIPE		7ACFHH002	TAU506
	MANIFOLD PIPE		7ACFHH003	TAU730
	MANIFOLD PIPE		7ACFHH004	TAU1350

[FUNCTION]	[FOR WHAT UNITS?]	[OPTIONAL/COMMENTS]
Unit operating	Wall mounted Console	Standard with high wall and console Optional with cassette, convertible and ducted
Realize infrared control for duct type	Duct	
Unit operating, group control (max. 16 indoor units) and "I Feel" function.	High wall, Duct 4-way cassette Floor ceiling	Standard with 4-ways cassette, ducted and floor ceiling
Unit operating and group control (max. 16 indoor units)	All (except for console type)	
Single unit control, group control, max. 16 units, weekly timer, clock, mode cooling/heating/auto/airflow/deshumidification, temperature, fan speed, fan direction	High wall, Cassette Convertible Duct type Built-in floor standing	
ON/OFF function & malfunction code display (max. 128 groups) Zone, timer, central control mode	FlowLogic II	Mandatory with ADV01
Connecting RWV02 and outdoor units	FlowLogic II	Mandatory with RWV02
Protocol adapter and data storage	FlowLogic II	Mandatory with BMV01 and BVM03
Connect the outdoor unit to change the homebus protocol to Modbus protocol.		
Every outdoor system adopt one ADV04 + ADV03. In one system, total connected indoor units quantity is max. 32. The ADV04 need connect external 24V DC power supply		Mandatory with ADV03
BMS control (air conditioner edition) In one system, total connected indoor units quantity is max. 40.	FlowLogic II	Mandatory with ADV02
BMS control (BACnet protocol edition)	FlowLogic II	Mandatory with ADV02
Refrigerant gathering	FlowLogic II	For 2 outdoor units
Refrigerant gathering	FlowLogic II	For 3 outdoor units
Refrigerant distribution	Total indoor units capacity less than 33.5 kW	
Refrigerant distribution	Total indoor units capacity less than 50.6 kW, but equal or bigger than 33.5 kW	
Refrigerant distribution	Total indoor units capacity less than 73 kW, but equal or bigger than 50.6 kW	
Refrigerant distribution	Total indoor units capacity bigger than 73 kW	



MEASURE UNITS CONVERSION

Length			
1 inch (in)	0,0254 m		
1 foot (ft)	12 inches	0,3048 m	
1 yard (yd)	3 feet	0,9143 m	
1 mile (mi)	1,760 yards	1609 m	
1 nautical mile (nmi)	1852 m		
1 meter (m)	39,37 inches	3,28084 feet	1,09361 yard

mm	Inches
6,35	1/4
9,52	3/8
12,70	1/2
15,88	5/8
19,05	3/4
22,22	7/8
25,40	1
28,58	1"1/8
31,75	1"1/4
38,10	1"1/2

Volume	
1 cubic inch (cu in)	16,387064 cm ³
1 cubic foot (cu ft)	0,028317 m ³ / 28,31685 dm ³
1 cubic yard (cu yd)	0,76455 m ³
1 pint	0,568 l
1 gallon-imp	4,546 l
1 gallon (US gal)	3,78541 l or dm ³
1 cubic meter (m ³)	35,31467 cu ft
1 cubic decimeter (dm ³)	0,26428 gal
1 liter (l)	1 dm ³

HP (horse power) *	Btu	kW
1	9000	2,637
1.5	12000	3,516
2	18000	5,274
2.5	24000	7,032
3	30000	8,79
5	45000	13,185

Mass volume	
1 cu.ft/lb	62,43 dm ³ /kg
1 US gallon/pound	8,3 dm ³ /kg

Density	
1 pound /cu.ft	0,016 kg/dm ³

Mass		
1 ounce (oz)	28,349 g	
1 pound (lb)	16 oz	0,4536 kg
1 quintal U.S	100 lbs	
1 centweight	112 lbs	
1 short ton (US)	2000 lbs	907,18 kg
1 long ton (GB)	2240 lbs	1016,04 kg
1 quintal (q)	100 kg	
1 tonne (t)	1000 kg	

Area		
1 square inch (in ²)	6,4516 cm ²	
1 square foot (ft ²)	0,0929 m ²	
1 square yard (yd ²)	0,8361 m ²	
1 square meter (m ²)	1550 in ²	10,76391 ft ²

Energy - Heat quantity		
1 cal	4,18 joules	
1 Btu	0,252 kcal	1055 joules
1 Btu/lb.°F	1 kcal/kg °C	
1 kcal	1 millithermie	
1 fg/h	-1 kcal/h	
1 kcal/h	1,163 W	
1 Btu/h	0,293 W	
1 ton (US)	3024 kcal/h	3512 W
1 ton (GB)	3340 kcal/h	3878 W
1 watt (thermic)	0,86 kcal/h	

° Fahrenheit = °C x 9/5 + 32

° Celsius = (°F-32) x 5/9

° Celsius = T (Kelvin) - 273,15

* Indicative values

Airwell

■ *Just feel well*

Our Aftersales Service

Export

Tél. ■ +33 (0)1 76 21 82 95

Fax ■ +33 (0)1 76 21 82 96

SPARE PARTS ORDERS:

e-mail ■ sp@airwell-res.com

TECHNICAL SUPPORT:

e-mail ■ technical-sp@airwell-res.com

Airwell Residential

3, AVENUE DU CENTRE, LES QUADRANTS, BÂT. A
78280 GUYANCOURT, FRANCE

TEL.: +33 (0)1 76 21 82 00 - FAX: +33 (0)1 76 21 82 01
www.airwell-residential.com